

AMERICAN ASSOCIATION
FOR THE
ADVANCEMENT OF SCIENCE

A BRIEF HISTORY OF THE ASSOCIATION
FROM ITS FOUNDING IN 1848 TO 1940

ITS PRESENT ORGANIZATION AND OPERATION

SUMMARIZED PROCEEDINGS
FOR THE PERIOD FROM
JANUARY, 1934, TO JANUARY, 1940

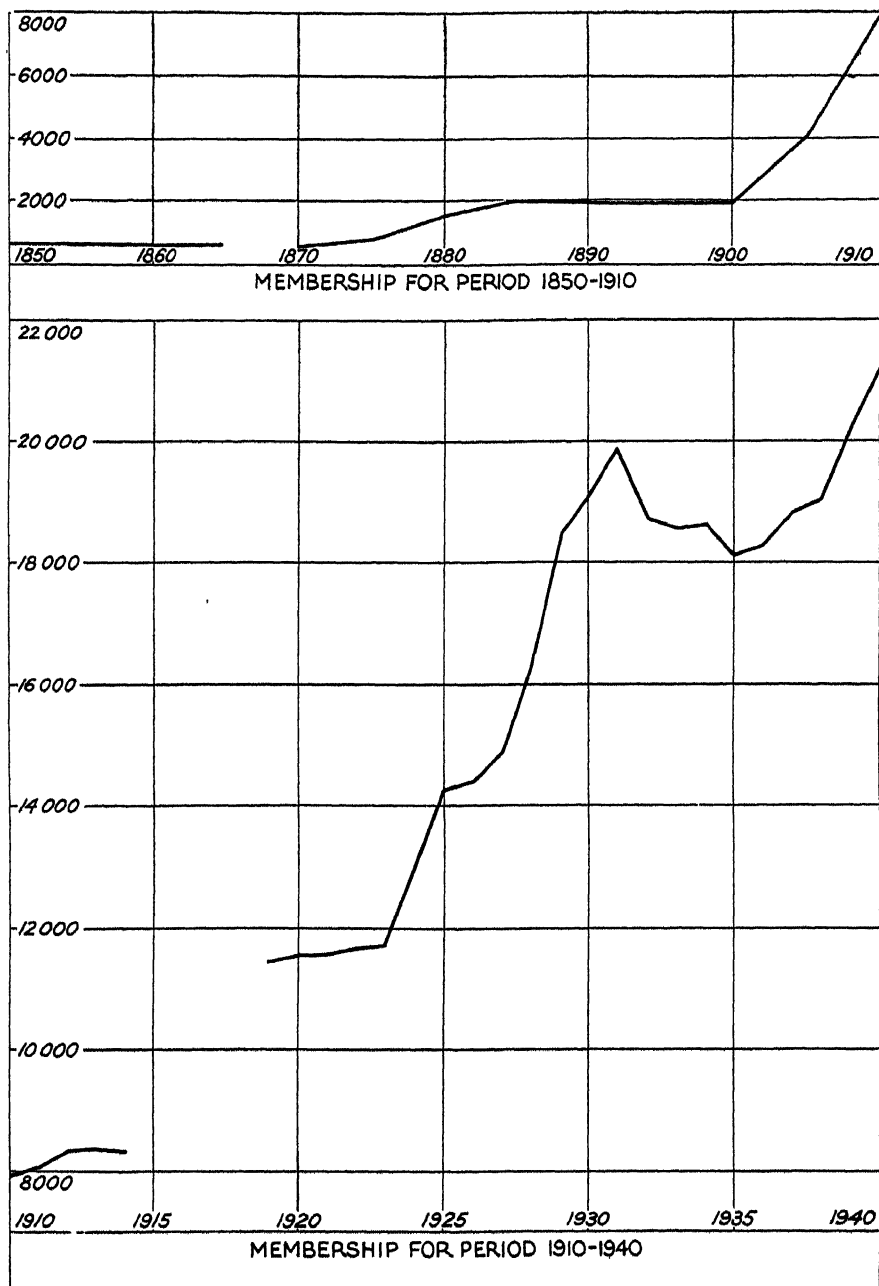
AND

A DIRECTORY OF MEMBERS
AS OF JULY 1, 1940

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Horizontal and vertical scales are so chosen that equal slopes in the upper and lower graphs correspond to the same rate of change in membership.

No meetings were held in 1860-1865; *Science* became the official journal of the Association in 1900; records of membership are not available during the period of the World War; the effects of the depression on membership began in 1931.

PREFACE

The mere sight of a large book raises the question whether it is worth what it cost in labor and money. Is it just another ponderous addition to burdened library shelves? Will it serve any useful purpose? These questions will be asked about this volume; the answer to them should be based upon its contents.

In one respect this volume is unique. It contains the names of the more than 21,000 members of the Association arranged by states and towns, with the field of special interest of each one indicated. Since a very large percentage of the leading scientists of the United States and Canada are members of the Association, there is in this book a convenient answer to the often-arising question concerning what scientists in some special field live in a certain part of the country. The names of members living in seventy foreign countries are similarly classified.

This volume contains also an alphabetical directory, which includes the names of all members of the Association, the degrees they have received, the academic or other positions they hold, their institutional or street addresses, their complete records as members of the Association, and the offices they have held in the Association.

This volume, however, does not consist primarily of lists of names. It contains a brief history of the Association since it was founded in 1848, and, consequently, of the development of American science, at least as far as it has been represented in the meetings of the Association. For clarity this history is divided into sections, each one except the first and the last covering a decade. Each section includes brief comments on the science of the period, a list of the presidential addresses delivered in it, often with quotations of interesting passages, the titles of other papers of special interest, and, if they are published, the places of their publication. The constitution adopted in 1874 established vice presidents for the sections who delivered retiring addresses, the titles and places of publication of which down to 1920 are included.

The section devoted to the period from 1921 to 1940 includes the titles and places of publication of the addresses of the presidents of the Pacific and Southwestern divisions. The section for this period includes also the titles and places of publication of all the Annual Sigma Xi addresses, of all Phi Beta Kappa addresses, of all Hector Maiben Memorial lectures and of all John Wesley Powell lectures, and, except when not known, the places of their publication.

Since this volume is especially a permanent summary record of the pro-

ceedings of the Association for the period from 1934 to 1940, the reports of its meetings for these years contain much more information than do those for earlier years. The titles listed include not only those of the addresses of presidents and vice presidents but also all those that were open to the public as general sessions, with references to the places of their publication. The titles of more than two hundred and fifty addresses and papers are given. This volume also contains the titles of all the symposia presented at the twenty-one meetings of the Association and its divisions from 1934 to 1940, a total of more than two hundred at which nearly fourteen hundred papers were read.

In short, this volume contains sketches of the science of our predecessors and much of that which is recent. Those whose memories reach back a few decades will feel as they read of the youth of the Association a certain nostalgia for simpler days and attitudes that have passed. It is hoped that they will catch enough echoes from the historical part of this record to awaken in them many happy memories and only pleasant anticipations for the future. Those who are in the early parts of their scientific careers will be most interested in current progress in science. They may even be a little amused at what now seem naive ideas that were held in earlier days. Yet it is hoped that for them the historical sections of this book will sometimes serve as a little mirror, like that in the front of a motor car, in which they may catch enough glimpses of the road science has traversed to assist them in steering it wisely into the future.

FOREST RAY MOULTON,
Permanent Secretary

TABLE OF CONTENTS

Preface	v
Brief History of the Association.....	i
The Period to 1850.....	1
The Period from 1851 to 1860.....	8
The Period from 1861 to 1870.....	13
The Period from 1871 to 1880.....	20
The Period from 1881 to 1890.....	28
The Period from 1891 to 1900.....	33
The Period from 1901 to 1910.....	38
The Period from 1911 to 1920.....	44
The Period from 1921 to 1940.....	46
Statistical Data—Annual Meetings.....	50
Statistical Data—The Pacific Division.....	50
Statistical Data—The Southwestern Division.....	51
Annual Sigma Xi Lectures.....	52
Annual Phi Beta Kappa Lectures.....	52
Annual Maiben Lectures.....	53
The John Wesley Powell Lectures.....	53
Meetings, 1848-1940	54
Meetings of the Association	54
Meetings of the Pacific Division.....	55
Meetings of the Southwestern Division.....	55
General Officers, 1848-1940.....	56
Roll of the Presidents.....	56
Permanent Secretaries	57
General Secretaries	57
Assistant Secretaries	57
Treasurers	57
Articles of Incorporation.....	60
Constitution of the Association.....	61
By-Laws and Rules of Procedure.....	63
Officially Associated Societies.....	66
Organization and Operation of the Association.....	71
History of the Constitution.....	71
Classes of Members.....	72
Annual Dues of Members.....	74
The Council	74
Election of the President.....	75
The Executive Committee.....	75
The Sections	76
Divisions of the Association.....	76
Local Branches	77
Affiliated and Associated Societies.....	78

Finances	79
Meetings of the Association.....	80
Publications	82
Science and the Scientific Monthly.....	82
The Association Symposia.....	83
The Association Science Series.....	84
Grants	84
Prizes	85
The Annual Science Exhibition.....	86
Summarized Proceedings, Jan., 1934-Jan., 1940.....	89
Presidents of the Association.....	91
Presidents of the Pacific Division.....	91
Presidents of the Southwestern Division.....	91
Section Officers	92
The Council	95
Committees of the Council.....	95
Section Committees	97
Mathematics (A)	97
Physics (B)	97
Chemistry (C)	98
Astronomy (D)	99
Geology and Geography (E).....	99
Zoological Sciences (F).....	100
Botanical Sciences (G).....	101
Anthropology (H)	103
Psychology (I)	103
Social and Economic Sciences (K).....	103
Historical and Philological Sciences (L).....	104
Engineering (M)	104
Medical Sciences (N)	105
Agriculture (O)	106
Education (Q)	106
Resolutions Passed by the Council.....	108
Summarized Proceedings for the Calendar Year 1934.....	121
Officers of the Association.....	123
Officers of the Pacific Division.....	123
Officers of the Southwestern Division.....	124
The Berkeley Meeting, June 18-23.....	124
The Pittsburgh Meeting, Dec. 27, 1934-Jan. 2, 1935.....	127
The Lubbock, Texas, Meeting of the Southwestern Division, April 30-May 3, 1934	132
Summarized Proceedings for the Calendar Year 1935.....	133
Officers of the Association.....	135
Officers of the Pacific Division.....	136
Officers of the Southwestern Division.....	136
The Third Minneapolis Meeting, June 24-29, 1935.....	136
The Fourth St. Louis Meeting, Dec. 30, 1935-Jan. 4, 1936.....	138
The Second Los Angeles Meeting of the Pacific Division, June 25-29, 1935.....	143
The Third Santa Fe Meeting of the Southwestern Division, April 29-May 2, 1935	144

TABLE OF CONTENTS

ix

Summarized Proceedings for the Calendar Year 1936.....	145
Officers of the Association.....	147
Officers of the Pacific Division.....	148
Officers of the Southwestern Division.....	148
The Rochester-Ithaca Meeting, June 16-20, 1936.....	148
The Atlantic City Meeting, Dec. 28, 1936-Jan. 2, 1937.....	150
The Seattle Meeting of the Pacific Division, June 16-20, 1936.....	154
The Flagstaff Meeting of the Southwestern Division, April 27-30, 1936.....	155
Summarized Proceedings for the Calendar Year 1937.....	157
Officers of the Association.....	159
Officers of the Pacific Division.....	159
Officers of the Southwestern Division.....	160
The Denver Meeting, June 21-26, 1937.....	160
The Third Indianapolis Meeting, Dec. 27, 1937-Jan. 1, 1938.....	162
Summarized Proceedings for the Calendar Year 1938.....	169
Officers of the Association.....	171
Officers of the Pacific Division.....	172
Officers of the Southwestern Division.....	172
The Ottawa, Canada, Meeting, June 27-July 2, 1938.....	172
The Virginia (Richmond) Meeting, Dec. 27-31, 1938.....	175
The San Diego Meeting of the Pacific Division, June 20-25, 1938.....	180
The Albuquerque Meeting of the Southwestern Division, April 25-28, 1938.....	182
Summarized Proceedings for the Calendar Year 1939.....	185
Officers of the Association.....	187
Officers of the Pacific Division.....	187
Officers of the Southwestern Division.....	188
The Milwaukee Meeting, June 19-24, 1939.....	188
The Columbus, Ohio, Meeting, Dec. 27, 1939-Jan. 2, 1940.....	191
The Stanford Meeting of the Pacific Division, June 26-July 1, 1939.....	196
The Alpine, Texas, Meeting of the Southwestern Division, May 2-5, 1939.....	198
Membership of the Association.....	201
Sustaining Members	203
Life Members	203
Emeritus Life Members	210
Emeritus Annual Members	211
Fifty-Year Members	212
Honorary Members from the British Association.....	213
Honorary Junior Members	214
Individual Members of All Classes.....	217
Institution Members	1017
Geographical Index of Members.....	1023

BRIEF HISTORY OF THE ASSOCIATION

I. THE PERIOD TO 1850¹

Although the American Association for the Advancement of Science was formally organized in 1848, and held its first meeting in Philadelphia on September 20 of that year, it had innumerable earlier beginnings in societies that were local or of limited ranges of interests, and in the hearts of many men engaged in the adventure of developing a civilization in this new continent. These societies and aspirations had antecedents, sometimes in America and sometimes across the sea in Europe. And they, in turn, had antecedents in more distant times and in more varied places. The waters of every stream come from innumerable sources.

EUROPEAN ANTECEDENTS TO 1700

With the Crusades (1096-1271) horizons expanded to include much of Europe; with the voyages of Columbus (1492) and Magellan (1518-1521), they began to encompass the earth; with the publication of Copernicus' *Revolutions* (1543) and Galileo's *Dialogues* (1632), they reached out into the celestial spaces; and with Newton's *Principia* (1687), the universe became orderly. Science was definitely on the march. In its ranks were Tycho Brahe (1546-1604), Napier (1550-1617), Francis Bacon (1560-1626), Kepler (1571-1630), Harvey (1578-1657), Descartes (1596-1650), von Guericke (1602-1686), Boyle (1627-1691), Huyghens (1629-1695), Hooke (1635-1703), Leibnitz (1646-1716) and many other men of lesser rank. The various origins of these names prove the breadth of the development of science in Europe.

But science did not march alone: the human mind moves in many columns. Students of law assembled in Bologna (1100), three schools were founded in Paris (1100), a medical faculty was organized in Bologna (1156), Roman law began to be taught in Montpellier (1160), students settled in Oxford (1167), paper was made in Spain (1189), University of Paris was granted a charter (1200), Peterhouse College, Cambridge, was founded (1284), spectacles were invented (1289), University of Vienna

¹ For an excellent history of the background, origin and first days of the Association, see "The Background and Origin of the American Association for the Advancement of Science" by Austin H. Clark, assisted by Lella Forbes Clark, Summarized Proceedings of the Association for the period June, 1929, to January, 1934, published by the Association in 1934, pp. 15-30. For an even more complete account of the origin and history of the Association, see "The History of the American Association for the Advancement of Science" by Herman L. Fairchild, *Science* 59: 365-369, 385-390, 410-415. 1924.

was opened (1364), printing was invented (c.1450), the Gregorian calendar was established (1582), circulation of the blood was discovered (Harvey, 1628), analytic geometry was invented (Descartes, 1637), Halley's Comet was observed (1682), Newcomen's steam engine was constructed (1705). In these centuries lived Roger Bacon (1214-1294?), St. Thomas Aquinas (1225-1274), Marco Polo (c.1254-1324), Dante (1265-1321), de Chauliac (1300-1368), Petrarch (1304-1374), Chaucer (c.1340-1400), Leonardo da Vinci (1452-1519), Michelangelo (1475-1564), Luther (1483-1546), Calvin (1509-1564), Cervantes (1547-1616), Spencer (c.1552-1599), Shakespeare (1564-1616), Rubens (1577-1640), Rembrandt (1606-1669), Milton (1608-1674), Molière (1622-1673), Racine (1639-1699), and De Foe (1660-1731). Harvard College was founded in 1636.

SETTLEMENT OF THE AMERICAS

It was during this period that North and South America were discovered, partially explored, and sparsely settled by Spain, Portugal, England, France, Holland, Germany, and Sweden. Those who crossed the Atlantic Ocean to this New World did so in search of gold, as hirelings of promoters, for adventure, to escape persecution, to obtain greater freedom, and to found homes. On the whole, they were fair samples of the stocks from which they came. During the seventeenth and first half of the eighteenth centuries these various peoples were becoming established, fusing their various somewhat different cultures, and acquiring a feeling of permanence. With this feeling of permanence they gradually realized that they were establishing a civilization in America. Then they began to think of its political organization and its institutions for culture.

SCIENCE IN THE EIGHTEENTH CENTURY

The progress of science in Europe during the eighteenth century was amazing, perhaps greater than in all previous time. At any rate, the history of science for this period is adorned by such names as D. Bernouilli (1700-1782), Linnaeus (1707-1778), Euler (1707-1783), Buffon (1707-1788), d'Alembert (1717-1783), Hutton (1726-1797), Hunter (1728-1793), Cavendish (1731-1810), Priestley (1733-1804), Lagrange (1736-1813), Watt (1736-1819), Galvani (1737-1798), Herschel (1738-1822), Scheele (1742-1786), Lavoisier (1743-1794), Lamarck (1744-1829), Volta (1745-1827), Laplace (1749-1827), Werner (1750-1817), Rumford (1753-1814), Dalton (1766-1844), Cuvier (1769-1832), Humboldt (1769-1859), Geoffrey-Saint-Hilaire (1772-1844), Young (1773-1829), Ampère (1775-1836), and numerous others. Their enormous contributions are evidenced by the fact that the names of many of them are preserved in the language of everyday use.

EMANCIPATION OF THE MIND

In these centuries there were rebellions against dogmatic authority in religion, in philosophy and in government, as well as in science. To mention only a few of the rebellions and of the names of those who rebelled, there were Erasmus (1466-1536), Martin Luther and the Protestant Revolution (beginning in 1517), the Edict of Nantes (1598), Voltaire (1694-1778), Hume (1711-1776), Rousseau (1712-1778), Kant (1724-1804), Thomas Paine (1737-1809), the American Revolution (1775-1781), and the French Revolution (1789-1794).

A natural consequence of the great spirit of inquiry of this period was the organization of academies of the sciences and the arts, and of other learned societies of various kinds. In the fields of the sciences there were the Accademia dei Lincei (1603), Accademia del Cimento (1657), Royal Society of London (1662), Académie des Sciences and Académie Française (1666), Preussische Akademie der Wissenschaften (1700), Royal Swedish Academy (1741), American Philosophical Society (1743), Académie Impériale des Sciences de Saint-Petersbourg (1779), and American Academy of Arts and Sciences (1780). Although the American Philosophical Society sprang from, and is now dated back to, an informal organization formed by Benjamin Franklin in 1743, it received its first charter in 1780 from the Commonwealth of Pennsylvania, which was signed by Thomas Paine, Clerk of the General Assembly. Benjamin Franklin was the first president of the society, an office which he held until his death in 1790.

THE AMERICAN PHILOSOPHICAL SOCIETY

Benjamin Franklin was a universal genius, widely honored in Europe as a scientist, noted for his experiments in electricity, author of many inventions all dedicated to the use of the public, founder of the first public library and the first public hospital in the New World, diplomatic representative of the American Colonies to England and to France, and renowned as a Philosopher. His attitude is revealed in the full title of The American Philosophical Society, which is, "The American Philosophical Society Held at Philadelphia for Promoting Useful Knowledge." Other leaders in American public life had similar attitudes toward science. George Washington and John Adams believed that scientific institutions are the best and the most lasting protections of popular government. In the constitution of the Commonwealth of Massachusetts, adopted in 1780, in the section under the title, "The Encouragement of Literature, etc.," we find ". . . it shall be the duty of Legislatures and Magistrates, in all future periods of this Commonwealth, to cherish the interests of literature and the sciences, and all seminaries of them . . . to encourage private societies and public institutions, rewards and immunities, for the promotion of agriculture, arts, sciences,

commerce, trades, manufactures, and a natural history of the country . . .” Under this constitution of Massachusetts the American Academy of Arts and Sciences was incorporated in the same year (1780).

Thomas Jefferson, known primarily as the author of the Declaration of Independence and secondarily as a president of the United States, founded the University of Virginia and was an amateur scientist and a promoter of science. When he went to Philadelphia in 1797 to be inaugurated as Vice President of the United States he took with him a collection of fossil bones of a large mammal and the manuscript of a memoir on them to be read before the American Philosophical Society, of which he had been elected president the preceding year. He was also president of the American Philosophical Society during his term of office as President of the United States (1801-1809). He once wrote, “Nature intended me for the tranquil pursuit of sciences by rendering them my supreme delight.” The plans of the buildings for the University of Virginia and the scientific equipment Jefferson designed and installed in lovely Monticello, his home looking down upon Charlottesville, attest the sincerity of these sentiments.

ATTEMPTS AT FOUNDING NATIONAL SCIENTIFIC SOCIETIES

In 1816 an ambitious organization was launched under the name of the Columbian Institute for the Promotion of Arts and Sciences for many and diverse purposes, including the introduction and distribution of plants, investigations of plant, mineral and other resources, promotion of agriculture and foreign trade, the production of a topographical and statistical survey of the different natural divisions of the country, the founding of a national museum and library, etc. Among its officers and members were such men as John Quincy Adams, John C. Calhoun, Daniel Webster, Henry Clay and Edward Everett. Meetings were held twice a year for several years, but with the passing of its original moving spirits the society became moribund after 1825 and eventually passed into the National Institution for the Promotion of Science, which was organized and incorporated by an Act of Congress in 1840. This latter society held monthly meetings and issued a volume of Proceedings in three bulletins between 1840 and 1845.

In April, 1844, the National Institution for the Promotion of Science held in Washington a great congress of scientists to which were invited the members of the American Philosophical Society and of all other learned societies, and eminent citizens throughout the United States. The opening address was by John Tyler, President of the United States. The principal address was by Senator Robert J. Walker, of Mississippi. Ex-President John Quincy Adams, then Member of Congress from Massachusetts, Senator Woodbury of New Hampshire, the Hon. J. R. Ingersoll, of Pennsylvania, and the Hon. John C. Spencer, Secretary of War, served as chairmen

from session to session throughout the meeting, at which 43 papers were presented.

In spite of this auspicious beginning, the National Institution never held another general meeting and it passed out of existence technically, as well as actually, with the expiration of its charter in 1861. Its founding was a valiant attempt to organize the science of the country more or less under central political sponsorship, but it failed without appreciable effect upon American science and culture.

THE AMERICAN JOURNAL OF SCIENCE

An event of major importance for the progress of science in America was the founding, in 1818, of the American Journal of Science and Arts (the words "and Arts" omitted after the year 1880) by Benjamin Silliman. No other scientific periodical in this country has enjoyed uninterrupted publication for so long a period, now 122 years. The American Journal of Science owes everything to Silliman, for he was not only its founder and its editor for many years, but its financial backer as well. Silliman's Journal, as it was often called, drew together as contributors, and after 1851 as associated editors, most of the leading scientists of the country. It provided them a place in which to publish their writings and made them acquainted with one another during a period in which travel was difficult and costly. It contributed greatly to solidarity among American scientists.¹

NATURAL PHILOSOPHY AND NATURAL HISTORY

In the early part of the nineteenth century science was almost universally classified as Natural Philosophy and Natural History. Although Benjamin Franklin had made many important contributions to what later became known as physics, geology was the first of the branches of Natural Philosophy to be vigorously cultivated in America. Interest in geology was partly utilitarian, for a new continent was to be explored and its mineral riches brought to light. Seventeen states made provisions for geological surveys between 1823 and 1839. This rapidly expanding interest in geology led to attempts at forming national geological societies. The first was the American Geological Society, incorporated in Connecticut in 1819. Silliman was one of its vice-presidents, and men from every state in the Union were included in its membership. The society died in 1826, but its spirit reappeared in the Association of American Geologists, organized in 1840.

ORIGIN OF THE AMERICAN ASSOCIATION

Interest in natural history was not lacking, for provisions for it were included in the organization of general scientific societies, such as the Ameri-

¹ For an extended account of the origin and history of the American Journal of Science, see *A Century of Science in America (1818-1918)*. Yale University Press. 1918.

can Philosophical Society, and papers on subjects in biological fields were welcomed in Silliman's Journal. In 1836, New York established a Natural History Survey, and Massachusetts a Zoological and Botanical Survey, in 1837. There rapidly developed an interest in organizing a society including both Natural Philosophy and Natural History, an interest that was doubtless stimulated by the founding of the British Association for the Advancement of Science, in 1831.

Dr. John Collins Warren, a leading citizen of Boston, read a paper at a meeting of the British Association in 1837. Upon his return to the United States in August, 1838, he actively undertook to promote the organization of a similar society in this country. A Committee of Correspondence of the American Association was formed, which late in October notified the American Philosophical Society of their activities and invited cooperation in organizing the proposed new society. On February 15, 1839, the American Philosophical Society passed a resolution declaring that in its opinion it was inexpedient for it to undertake the organization of the proposed Association. In spite of this action interest continued in establishing a general scientific society national in scope. In April, 1842, the Association of American Geologists, which had been organized in 1840, became The Association of American Geologists and Naturalists. Charles (later Sir Charles) Lyell, distinguished author of *Principles of Geology*, was present and took an active part in the meeting. This society held its last meeting in Boston in September, 1847; on September 24, under the chairmanship of William C. Redfield, the society passed a resolution to transform itself into the American Association for the Promotion of Science, an organization "designed to embrace all laborers in Physical Science and Natural History."

The new association held its first regular meeting in the library room of the Academy of Natural Sciences of Philadelphia on September 20, 1848, at 10 A.M. At noon the meeting was called to order by Professor William B. Rogers who read the draft of a Constitution and Rules of Order which had been drawn up by a committee appointed for the purpose at the meeting the preceding year. In this report the name of the organization was changed to the American Association for the Advancement of Science; upon its adoption the American Association for the Advancement of Science was born. At 4 P.M. the new society convened and the chairman, Professor Rogers, introduced the first president of the American Association for the Advancement of Science, Mr. William C. Redfield. There were 461 original members of the Association.

THE MEETINGS OF THE ASSOCIATION 1848-1850

The first meeting of the Association was held from 4 P.M. on Wednesday, September 20, 1848, until Monday, September 25, excluding Sunday, Sep-

tember 24. The scientific program of the meeting consisted of three papers on fossils read at the first session, of a communication on ocean winds and currents, of a General Session on Friday evening on subjects of wide interest, and of sessions daily of the two sections of the Association, namely, the "Section of Natural History, Geology, etc." and the "Section of General Physics, etc."

At the general session on Friday evening Professor William B. Rogers delivered an "annual address" which was not written out or printed. Then Benjamin Peirce read a paper "On the General Principles of Analytical Mechanics," followed by a paper by Louis Agassiz "On the Classification of the Animal Kingdom." These papers are not published in the Proceedings of the meeting and probably not anywhere else.

About 30 papers and communications of various kinds were presented before the Section of Natural History, Geology, etc., and about as many before the Section of General Physics, etc., few of which are printed in the Proceedings of the meeting. A list of the 461 members of the Association, including all the leading American scientists of the time, closes the volume of 156 pages.

The meeting in 1849 (the second meeting of the Association) was held in Cambridge, Massachusetts, from August 14 to August 20, inclusive (excluding Sunday, August 19), a total of six days, under the presidency of Joseph Henry. No presidential address was delivered, but there were several sessions of the Association as a whole and sessions of the sections of "Natural History, Geology, etc.," "General Physics, etc.," "Mathematics, Physics, and Astronomy," "Chemistry, Mineralogy, and Meteorology," "Geology and Paleontology," "Zoology," "Chemistry and Meteorology," "Natural History, Zoology, etc.," the new sections having been organized as a consequence of a great increase in the number of papers presented and the progressive specialization of science. This second Proceedings comprised 459 pages.

In 1850 the Association held two meetings, an intermediate meeting in Charleston, S. C., from March 12 to March 16, inclusive, and its annual meeting in New Haven, Conn., from August 19 to August 24, inclusive. In meeting in various places the Association was fulfilling one of its purposes as expressed in its Rules, namely, to hold "... periodical and migratory meetings, to promote intercourse between those who are cultivating science in different parts of the United States ...". At the Charleston meeting about 60 papers and informal communications were presented. At the New Haven meeting six General Sessions were held before which 26 papers and addresses were delivered. At the section meetings 114 papers were presented, 46 of which were in the general fields of geology and natural history and 68 in the fields of the physical sciences. The Proceedings of the third

(Charleston) meeting consist of 215 pages, while there are 414 pages in the Proceedings of the New Haven meeting. The membership of the Association at the Charleston meeting was 634; at the New Haven meeting it had become 684. On August 22 Joseph Henry, president of the Association for the preceding year, delivered an address as retiring president, but it was not written and the title of it is unknown.

II. THE PERIOD FROM 1851 TO 1860

In order not to become involved in the endless details of individual meetings which have lost much of their importance with the passing of time, the history of the Association and the progress of science will be sketched by decades. The decade 1850-1860 is the first one after the Association had been organized and the pattern of its meetings established.

Several great scientific discoveries and generalizations had been made in the decades immediately preceding the one under consideration. One of the most important of these generalizations was Dalton's atomic theory (1808) based on Proust's experimental discovery of the law of multiple proportions in chemical reactions. This basic theory for chemistry was supplemented in 1811 by Avogadro's inference, or hypothesis, that equal volumes of different gases at the same temperature and under the same pressure contain the same number of molecules. The synthesis of urea by Wohler, in 1828, assured chemists that the laws of their science hold also in the organic field.

In the field of geology a new era was inaugurated by the publication of the three volumes of Lyell's *Principles of Geology* in 1830, 1832, and 1833. A reasonable basis for the long periods of time required by Lyell for the geological processes was provided in the Nebular Hypothesis of Laplace, published first in 1796 and in a somewhat expanded form in 1806. The law of the conservation of energy was formulated almost simultaneously by Robert Mayer and James P. Joule, in 1842. In 1847 Helmholtz extended it to the organic world. It was in the middle part of the first half of this century that Faraday and Joseph Henry discovered the relations between electricity and magnetism. It was in this period that the cell theory of the structure and functioning of living organisms took form, the papers of Schleiden and Schwann appearing in 1838-39. It was in the latter part of this half century that the principles of organic evolution began to take form in the minds of Darwin, Wallace and Spencer. As to inventions, Morse produced the telegraph in 1836; Daguerre first made photographs in 1839; and Long, Wells, Morton, and Simpson introduced the use of ether, nitrous oxide and chloroform, for producing anesthesia, in the years 1842 to 1847. Great scientific discoveries in the half century preceding the organization of

the Association naturally influenced its programs during the decade under consideration.

PRESIDENTIAL ADDRESSES

A. D. Bache (geography), president of the Association for 1851, normally would have delivered his retiring address at the meeting scheduled for Cleveland, Ohio, in August of 1852; but this meeting was postponed because of the prevalence of cholera along the approaches to Cleveland from the South. At the postponed meeting, held in July, 1853, Bache delivered his address, without formal title, saying that it would be "a few remarks in relation to the circumstances attending its (the Association's) organization, and to its progress, and some considerations of the direction in which we may look for its greatest usefulness." It is printed in the Proceedings for 1852, vol. 6. A short quotation will illustrate its tone.

But is it true that genius is beyond or above the stimulus of association? Let the man among us who has, if ever man had the true "divine breath," tell us, in simple and single-heartedness, whether he left that meeting of the British Association the same man who went there; whether the effect of that simple and single figure on the black-board, which showed to the geologists of the day discoveries to be made, founded on principles which created a new era in classification, was limited to his auditors, or even to cultivators of science through whom they spread with lightning rapidity and vividness: did it not react on him?

Benjamin Peirce (mathematics), president of the Association in 1853 and distinguished for his work in abstract mathematics, delivered his address as retiring president at the meeting held in Washington in May, 1854. Like the address of his predecessor, it was without an explicit title but referred in eloquent terms to the Association and of its relations to the progress of science. It is printed in the Proceedings for 1854, vol. 8. Its style may be inferred from its opening paragraph, which is by no means the most ornate.

In most offices, the duties terminate with the office, and the thing of the past, the ex-officer, is to the present an unknown quantity. But it is not so with your President. Science, with its time-annihilating power, which gives life to the fossil, which hurries the embryo future into premature birth, which ventures beyond the grave even to the foot of the invisible throne, sternly drags forward its reluctant presidents to their hardest trial when they have ceased to be, to a judgment after death severer than that of Rhadamanthus. This calling out of the actor upon the stage after the night of performance, when the blood is no longer warm, is all the worse to him who has never before made a set speech, all whose habits of thought are unknown to aesthetic display, and the Arctic latitudes of whose frigid studies are impenetrable to the God of eloquence and to the Muses who vibrate the silver-toned chords of human sympathy.

James D. Dana (geology), president of the Association in 1854, de-

livered his address as retiring president at the meeting held in Providence, R. I., in August, 1855. This address, also without a title, was an excellent exposition of the geological history of the earth, including "the progress of life from its earliest dawn to the appearance of man." All of it was on a high scientific, literary and philosophic plane. In the concluding paragraphs of his address Dana referred to the future of man as follows:

Another of our number has shown in eloquent language how the diversified features and productions of the Old World conspired to adapt it for the childhood and development of the race; and that, when beyond his pupilage, having accomplished his rescue from himself and the tyranny of forces around him, and broken the elements into his service, he needed to emerge from the trammels of the school-house in order to enjoy his fullest freedom of thought and action, and social union. Professor Guyot observes further, that America, ever free, was the appointed land for this freedom and union,—of which its open plains, and oneness of structure, were a fit emblem; and that, although long without signs of progress or hope in its future, this land is to be the centre of hope and light to the world.

In view of all these arrangements, man may well feel exalted. He is the last of the grand series. At his approach, the fierce tribes of the earth drew back, and the race dwindled to one fourth its bulk and ferocity,—the huge Mastodons, Lions, and Hyenas yielding place to other species, better fit to be his attendants, and more in harmony with the new creation.

Partaking of the Divine image, all nature pays him tribute; the universe is his field of study; an eternity his future. Surely it is a high eminence on which he stands. (Proceedings, vol. 9.)

John Torrey (botany), president in 1855, does not appear to have delivered an address as retiring president. His successor, James Hall (geology), delivered his address as retiring president at the Montreal meeting in August, 1857; it was published in 1882. (Proceedings, vol. 31, pp. 29-71.)

Professor J. W. Bailey (chemistry), elected president of the Association for 1857, died on February 27 at 46 years of age, the first president of the Association to die in office. Professor Alexis Caswell (astronomy) served in his place at the meeting held in Montreal in August, 1857, and also in place of Jeffries Wyman, president of the Association for the meeting held in Baltimore in May, 1858, but which he did not attend. On retiring from the duties of president of the Association, Caswell delivered an address at the meeting held in Springfield, Mass., in August, 1859. The first part of his address consisted of tributes to the members who had died during the year and brief sketches of their lives; the last part, to a discussion of current problems in astronomy.

There is no record that Stephen Alexander, president of the Association for the Springfield, Mass., meeting in August, 1859, delivered an address as retiring president at the meeting in Newport, R. I., in August, 1860. Nor did Isaac Lea, president for this meeting, deliver an address as retiring

president; the Association suspended activities during the period of the Civil War, 1861 to 1865.

PAPERS OF ESPECIAL INTEREST PRESENTED AT THE MEETINGS¹

The Cincinnati Meeting, May, 1851. (Vol. 5)

1. On the Azoic System, as Developed in the Lake Superior Land District. J. W. Foster and J. D. Whitney.
2. On the Constitution of Saturn's Ring. Benjamin Peirce.
3. Notice of the Ancient Human Skulls, and other Bones, found in a Cave near Elyria, Ohio. Chas. Whittlesey, Sr.

The Albany Meeting, August, 1851. (Vol. 6)

1. On a New Form of Microscope, with a New Mode of Measurement of Dimensions and Angles. J. Lawrence Smith.
2. Remarks upon the Unconformability of the Palaeozoic Formations of the United States. Louis Agassiz.
3. Description of Samples of Ancient Cloth from the Mounds of Ohio. J. W. Foster.

The Cleveland Meeting, July, 1853. (Vol. 7)

1. On the Binocular Microscope. J. L. Riddell.
2. On the Geology of the Choctaw Bluff. A. Winchell.
3. On the Wheat-Fly and its Ravages. R. Howell.

The Washington Meeting, May, 1854. (Vol. 8)

1. Results of Some Investigations Respecting Biela's Double Comet. J. S. Hubbard.
2. On the Distribution of Temperature in and near the Gulf Stream, off the Coast of the United States, from Observations made in the Coast Survey. A. D. Bache.
3. An Account of a Tornado which passed over the State of Connecticut on the 9th of August, 1851. John Brocklesby.
4. Experimental Observations on Taste and Smell. Theodore C. Hilgard.

The Providence Meeting, August, 1855. (Vol. 9)

1. Improvements in the Electric Telegraph, whereby two or more Terminal Stations can make Simultaneous Use of the Same Wire. Moses G. Farmer.
2. On the Occurrence of the Ores of Iron in the Azoic System. J. D. Whitney.

¹ All references are to the Proceedings.

The Albany Meeting, August, 1856. (Vol. 10)

1. On Acoustics Applied to Public Buildings. Joseph Henry.
2. On the Spirality of Motion in Whirlwinds and Tornadoes. W. C. Redfield.
3. On the Agency of the Gulf-Stream in the Formation of the Peninsula of Florida. Joseph Le Conte.

The Montreal Meeting, August, 1857. (Vol. 11)

1. Zodiacal Light. Charles Wilkes, U.S.N.
2. Fluctuations of Level in the North American Lakes. Charles Whitteley.
3. Thoughts on Species. James D. Dana.
4. Laws of Descent of the Iroquois. Lewis H. Morgan.

The Baltimore Meeting, May, 1858. (Vol. 12)

1. On the Mean Distances of Periodic Comets. Daniel Kirkwood.
2. On the Australian Weapon called the Boomerang. Joseph Lovering.

The Springfield, Mass., Meeting, August, 1859. (Vol. 13)

1. On the Secular Variations of the Eccentricities and Perihelia of Certain of the Asteroids. Simon Newcomb.
2. On the Supposed Lunar Origin of Aerolites. B. A. Gould, Jr.
3. Contributions to the History of Gypsums and Magnesium Rocks. T. Sterry Hunt.
4. The Indian Mode of Bestowing and Changing Names. Lewis H. Morgan.

The Newport, R. I., Meeting, August, 1860. (Vol. 14)

1. The American Reindeer. L. E. Chittenden.

MEMBERSHIP

During the early years of the Association its membership was published only at the close of the meetings. For the decade under consideration the memberships at the close of the meetings were as follows :

<i>Year</i>	<i>Meeting Place</i>	<i>Membership</i>	<i>Year</i>	<i>Meeting Place</i>	<i>Membership</i>
1851	Cincinnati	800	1856	Albany	722
1851	Albany	769	1857	Montreal	946
1853	Cleveland	940	1858	Baltimore	962
1854	Washington	1004	1859	Springfield	862
1855	Providence	605	1860	Newport	644

III. THE PERIOD FROM 1861 TO 1870

During the twelve years between the organization of the Association in 1848 and the beginning of the period now to be considered the Association held 14 meetings. Many addresses delivered at these meetings contained enthusiastic and eloquent passages concerning the progress of civilization, the dissipation of dark superstitions, the increase in understanding of the beneficent purposes of the Creator and confident predictions of a Utopian future. Alas for their dreams that they were almost at the gates of Paradise! The Civil War broke out!

In the tragic hours in which these words are being written (May 17, 1940) a large fraction of the peoples who have made the greatest contributions to science, who through science have created unlimited comforts, stamped out diseases, revealed the majesty of the universe, taught us the long course of our evolution, pointed the way to unlimited progress—these are the peoples who are engaged in a struggle that appears about to destroy civilization. Our present apprehensions about the future should help us to understand conditions in 1861.

In April, 1861, the blood of men ran hot. Those who together had won their political freedom became bitter enemies; the aid of the Almighty was invoked in plans for slaughter; mutual hatreds flamed in the hearts of those who had been friends; families were divided by undying enmities; large sections of the country were laid waste and all of it was impoverished. For six years the Association held no meetings.

The first meeting of the Association after the termination of the Civil War was held at Buffalo, N. Y., in August, 1866. But it was not such a meeting as the previous ones had been. It was not such a meeting as the one scheduled for Nashville, Tenn., for April, 1861, would have been if it had not been for the outbreak of the war. Yet 79 members of the Association attended the meeting and 67 papers were presented, 18 of which were printed in the Proceedings of the meeting. Of these 18 papers, only one was in zoology and only one was in botany.

PRESIDENTIAL ADDRESSES

Isaac Lea (geology) was president of the Association for the meeting held at Newport, R. I., in August, 1860, and was consequently retiring president at the next meeting held six years later at Buffalo, in August, 1866. Instead of delivering an extended formal address, he made a few remarks, in part as follows, in introducing F. A. P. Barnard, president at this meeting in Buffalo (vol. 15, p. 108):

In opening this meeting, it may be my duty to say that when we adjourned last, in Newport, R. I., in 1860, it was then proposed that we should meet in 1861, at Nashville,

Tenn. At the same time the distinguished President of Columbia College, N. Y., Prof. Barnard, was appointed to preside at that meeting. In the meantime, the great rebellion breaking out, the meeting was not, of course, called together, as that place was not either a fit or a safe one for loyal members to visit. It was also judged proper that our meetings should be in abeyance, as our minds and our time were occupied by duties of the utmost importance in the assistance of the restoration of that peace which has caused our beloved Union four eventful years of war.

F. A. P. Barnard, retiring president at the meeting held at Burlington, Vermont, in August, 1867, was not present at the meeting and did not deliver his address until the following year. However, the president for the meeting, J. S. Newberry (geology), delivered his retiring address which normally would have come at the following meeting. In it are evidences of the profound effects that were gradually being produced by the publication of Darwin's *Origin of Species* in 1859 (vol. 16, pp. 1-15.) :

Although the progress of the age to which I have referred has been a matter of wonder and delight to all students of humanity and civilization, many of our best men have been somewhat alarmed and dizzied by it; and, while accepting the achievements of modern industry and thought as full of present good and future promise, they are not a little concerned lest our railroad speed of progress should lead to its legitimate consequences, a final crash—not of things material, but of those of infinitely more value—of opinions and of faith. As often as it is boasted that this is pre-eminently an age of progress, that boast is met by the inevitable “but” (which qualifies our praise of all things earthly) “it is equally an age of scepticism.” For the truth of this assertion the proof is nearly as palpable as of the other; and in view of the ruthlessness with which the man of the present removes ancient landmarks and profanes shrines hallowed by the faith of centuries, it is not surprising that many of the good and wise among us should deplore a liberty of thought leading, in their view, inevitably to license, and mourn over this wide-spread scepticism as an evil and inscrutable disease that has fallen upon the minds and hearts of men. . . .

It would be impossible for any one to discuss in a fair and intelligent manner the great question of the origin of species, in anything less than a bulky volume. The merest mention is, therefore, all we can give to it at the present time. Although the appearance of Darwin's book on the *Origin of Species* communicated a distinct shock to the prevalent creeds, both religious and scientific, the hypothesis which it suggests, though now for the first time distinctly formularized, was by no means new; as it enters largely into the less clearly stated development theories of Oken, Lamarck, De Maillet, and the author of the “*Vestiges of Creation*.” There was this difference, however, that in the developmental theories of the older writers the element of evolution had a place; the process of development had its main-spring in an inherent growth, or tendency, such as produces the evolution of the successive parts in plant-life, while, according to Darwin, the beautiful symmetry and adaptation which we see in nature is simply the form assumed by plastic matter in the mould of external circumstances. . . .

Although this Darwinian hypothesis is looked upon by many as striking at the root of all vital faith, and is the *bête noire* of all those who deplore and condemn the materialistic tendency of modern science, still the purity of life of the author of the “*Origin of Species*,” his enthusiastic devotion to the study of truth, the industry and acumen which have marked his researches, the candor and caution with which his suggestions

have been made, all combine to render the obloquy and scorn with which they have been received in many quarters peculiarly unjust and in bad taste. It should also be said of Mr. Darwin that his views on the origin of species are not inconsistent with his own acceptance of the doctrine of Revelation; and that many of our best men of science look upon his theory as not incompatible with the religious faith which is the guide of their lives, and their hope for the future. To these men it seems presumption that any mere man should restrict the Deity in His manner of vitalizing and beautifying the earth. To them it is a proof of higher wisdom and greater power in the Creator that He should endow the vital principle with such potency that, pervaded by it, all the economy of nature, in both the animal and vegetable worlds, should be so nicely self-adjusting that, like a perfect machine from the hands of a master maker, it requires no constant tinkering to preserve the constancy and regularity of its movements.

F. A. P. Barnard (astronomy, physics), president of the Association for the meeting at Buffalo in August, 1866, delivered his address as retiring president at the meeting in Chicago in August, 1868. This address ranged widely over the then recent advances in the physical sciences—astronomy and celestial mechanics, electromagnetic phenomena, electrochemistry, solar parallax, the planetoids, the distance of Sirius, eclipses of the sun, sunspots, meteors, comets, glaciation, coal deposits in China, chemistry, the conservation of energy—and, finally, the speaker examined the properties of living organisms, including the activities of the mind, in the light of the physical laws he had discussed. A few paragraphs, all of which are well written and not one of which is dull, will illustrate the tenor of the address (vol. 17, pp. 57-101):

The philosophy therefore which makes thought a form of force, makes thought a mode of motion; converts the thinking being into a mechanical automaton, whose sensations, emotions, intellections, are mere vibrations produced in its material substance by the play of physical forces, and whose conscious existence must forever cease when the exhausted organism shall at length fail to respond to these external impulses. If the law of conservation of force is therefore to be extended to mental phenomena, the immortality of the soul can be no longer maintained. On this hypothesis indeed man has no soul. Life is but a momentary phenomenon, a casual condition of matter, to be classed with combustion, incandescence, sound, odor, anything most accidental and evanescent. More than this, the living being, while his brief consciousness endures, is the mere sport of forces foreign to himself. His conscious freedom of will is nothing but an illusion. His thoughts, his feelings, his acts, are all links in a chain of inevitable events, determined by unalterable physical laws. He ceases to be a moral agent or an accountable being. Let it be observed moreover that the doctrine of necessity here forced upon us, differs from that which has been inculcated by necessitarian philosophers heretofore. The necessity which fetters the will by making it the slave of motive, is one in which the coercion is moral and not physical; and which leaves us room at least to respect poor human nature though we may compassionate. That which presents will and motive together as two modes of motion, of which the first is but the second under a new form, is a necessity of which the slave has lost even respectability, and is reduced to the humble level of a piece of mechanism.

But it is not because of these consequences that I reject a doctrine so derogatory to

the dignity of humanity. The business of the philosopher is to follow on the trace of truth wherever it may lead. He must not suffer feeling, or preference, or prepossession, or prejudice, for a moment to bias his judgment. If the law of the conservation of force, rightly interpreted, conducts us of necessity to materialism, we must accept the conclusion, however humiliating we may find it to our pride or however ruinous to our hopes. To my mind no such necessity exists.

In proof of this position it is of course no argument, and I do not present it as one, to allege the utter incongruity which every mind uninfluenced, I was about to say unperturbed, by favorite philosophical preconceptions, feels to exist between mental and physical phenomena. Consciousness, to any mind, is a mystery sufficiently profound; but to suggest that it may be only a mode of motion, is to an ordinary mind little less than a self evident absurdity. But, as just remarked, this is no argument.

It is an argument, however, to say that thought cannot be a physical force, because thought admits of no measure. I think it will be conceded without controversy that there is no form of material substance, and no known force of a physical nature (and there are no other forces) of which we cannot in some form definitely express the quantity, by reference to some conventional measuring unit. Even while heat and light and electricity continued to be regarded as independent and unconvertible forces, they were still subjected to measurement, each after a manner peculiar to itself; and the ratio between the amount of latent heat of a pound of water and that of a pound of steam was as well known as it is now. The minutest quantities of electricity were determined by the most delicate of balances, and the intensities of different lights were numerically expressed by means of experimental and instrumental comparisons. Now no such means of measuring mental action has been suggested. No such means can be conceived.

Benjamin Apthorp Gould (astronomy), who was president at the meeting of the Association held at Chicago in August, 1868, delivered his presidential address at the meeting held at Salem, Mass., in August, 1869. Gould devoted considerable attention to the principal theme of his predecessor, but, in contrast to earlier presidents of the Association, he sharply warned his fellow members against overestimating American achievements in science (vol. 18, pp. 1-37):

We are accustomed to regard ourselves as belonging to a new country, and to palliate in our own hearts, even if not openly, our intellectual short-comings and our deficiencies in learning or culture, by this plea. And just as men who have attained eminence, notwithstanding an absence of early opportunities, are often accustomed to glory in this want of advantages, as though it had been a merit rather than a misfortune,—judging themselves always by a relative, instead of an absolute, standard,—so we American lovers of science are too much inclined to take note of the difficulties against which we have struggled or are struggling, rather than of the actual level which we have attained by the effort. Of course there is much to extenuate in this proclivity; how much, you all know. The want, until a recent date, of books of reference; the want of access to such implements of research as are beyond the reach of most private men; the want of time and energy to spare from the grand "struggle for existence"; and above all, the want of competent scientific counselors and guides for the beginner in scientific research; all these are well known to those of you who have attained an age at all ap-

proaching the meridian of life. Before the omniscient Judge, they will surely be credited to each individual in the great account. But if we consider not the individuals but the people, and hold the community responsible for its collective failures, while we give it credit for its collective achievements, in the intellectual field, I am sometimes apprehensive that we are given to pluming ourselves too much, and to estimating our progress rather by the number of obstacles which we know to have been surmounted, than by the mile-stones which have been left behind. Communities have merits and failings, as individuals have; they are but the integral of their many constituent individuals; and among our national failings can scarcely be counted that of judging ourselves too harshly. Our aim should not be to overcome difficulties, except so far as this is a necessary means of advance; it is progress, toward which our efforts should be directed, and if the obstacles are serious, we have, as a people, no right to credit merely for having surmounted them, provided we possess, and do not employ, the power to remove them. Can the intellectual standing and rank of a nation be fairly measured by the highest achievements of its ablest and most devoted men, if so be that these men or their deeds are not the legitimate fruit of the tendencies and influences at work, but, on the contrary, are exceptional cases, which have maintained their existence and even blossomed out by virtue of the humanity that was in them, notwithstanding hindrances and discouragements? . . .

"Two hundred and forty years," I hear some one say, "what are they in the development of a nation, or of its scientific character? Twenty-five centuries have passed since Thales predicted an eclipse of the sun; nineteen, since Sosigenes reformed the calendar for Julius Caesar; fourteen hundred years have rolled over the University of Bologna. What to you occidentals seems a hoary antiquity, is a mere yesterday for the dweller by the Tiber, the Thames, the Seine, the Danube or the Rhine." Be it so! Yet Hans Lippersheim's first suggestion of a telescope was eighteen months after Newport had sailed up the James River with his infant colony. The idea of a logarithm was then not born: Napier and Briggs were names unknown to fame. The oaks and beeches had been cleared from these hills, and our ancestors had built their rustic homes, at the time when Galileo was tortured into adjuring the profane doctrine that the earth moved, and not the sun. When Harvard endowed the college that bears his name, there was no such thing as a barometer or a thermometer. It is within these very two hundred and forty years that modern science has come into existence, and the world's intellect been turned from speculation to investigation. It is within this period that our implements of research have been devised, that the air-pump, the electrical machine and the clock have been invented, that every public chemical laboratory, every astronomical or physical observatory, and every academy of sciences has been founded. Boston had been settled when Keppler died. The grandchildren of the original colonists of Plymouth and the Massachusetts Bay were born, when the law of universal gravitation was first proclaimed by Newton.

Therefore it is that we must confess our scientific progress to have been far inferior to that of several European nations. And I fear that the confession might truthfully be made much broader, and include our progress in all purely intellectual studies, which hold forth no promise of immediate utility in promoting physical well-being or material convenience. If this is true, my friends, it is time that it should be so no longer. And before you, the declared lovers of science,—in this Association formed to promote her welfare and advancement,—here in the earliest seat of that colony, whence has geographically radiated what of culture and of science our country has possessed,—I would fain say some few words which, however crude or ill-arranged, might find a congenial soil within your hearts—to bear fruit, perhaps, when all of us have disappeared from the stage—and which might aid, in however small a degree, to avert the day when the

highest recognized aims shall be toward material prosperity, rather than toward intellectual development and progress.

J. W. Foster (geography), president at the Salem meeting in August, 1869, delivered his address as retiring president of the Association at the meeting held at Troy, New York, in August, 1870. Foster's address was devoted to the wide variations in climate, including the glacial advances and retreats, that characterized the Tertiary and later periods almost down to the present time. His remarks on the resulting changes in plant and animal forms, and on prehistoric man, are interesting illustrations of the mixtures of fact and fancy that followed the first glimpses into an enormous and almost entirely unsuspected long past of geological, biological and human history. Referring to man during the Ice Age, he said (vol. 19, pp. 1-19) :

In such a climate and on such a soil we can well imagine that agriculture formed no part of the occupation of the primitive man. He gathered not the kindly fruits of the earth, but was essentially a predaceous animal. The few skulls that have been recovered, would indicate that he was low in the scale of intellectual organization,—a small brain, a retreating forehead, and oblique jaws. In capacity he was below the Australian and New Zealander. In stature he was dwarfed, but was broad-shouldered and robust,—the result of vigorous exertion and out-door exposure. He was carnivorous, and, perhaps, a raw flesh-eater; for in the jaws which have been disinterred, the incisor teeth are much worn,—a peculiarity which has been noticed in those of the flesh-eating Esquimaux. This fact ought not to be cited to his disadvantage, for in an Arctic climate where the animal heat is so rapidly abstracted, man requires a highly nitrogenous food. Thus we find our own countryman, Kane, when imprisoned in the ice of Rensselaer Harbor, resorting to raw walrus-meat, and rolling it as a sweet morsel under his tongue. . . .

But we must accord to him one redeeming trait. That homage which in all ages and among all nations, the living pay to the dead; those ceremonies which are observed at the hour of final separation; that care which is exerted to protect the manes from all profane intrusion; and those delicate acts, prompted by love or affection, which we fondly hope, will smooth the passage of the parting spirit to the happy land,—all these observances our rude ancestors maintained. These facts show that, deep as man may sink in barbarism, brutal as he may become in his instincts, there is still a redeeming spirit which prompts to higher aspirations, and that to him, even, there is no belief so dreary as that of utter annihilation.

Foster closed his address with a survey of possible causes of glaciation, concluding that they are almost certainly extra-terrestrial.

On the subject of cooperation among scientists from various fields he said:

There is such an intimate connection between the several branches of science, that the researches in one field often throw light upon the obscure points in another. In the solution of this difficult problem, the geologist may invoke, and I trust not unsuccessfully, the aid of the astronomer.

Although scientists have cooperated in investigating the problem of the causes of glaciation during the 70 years since Foster's address, they have not yet reached a generally accepted explanation of the successive periods of glaciation that the middle latitudes of the earth have experienced.

PAPERS OF INTEREST PRESENTED AT THE MEETINGS

The Buffalo, N. Y., Meeting, August, 1866. (Vol. 15)

1. On the Theory of Meteors. Daniel Kirkwood.
2. On the Physical Condition of the Sun's Surface and the Motion of the Solar Spots. Elias Loomis.

The Burlington, Vt., Meeting, August, 1867. (Vol. 16)

1. Observations of Venus near Inferior Conjunction. C. S. Lyman.
2. On the Periodicity of the Aurora Borealis. Joseph Lovering.
3. Considerations Relating to the Climate of the Glacial Epoch in North America. Edward Hungerford.

The Chicago Meeting, August, 1868. (Vol. 17)

1. The Nature of Electric Discharge. O. N. Stoddard.
2. On Hansen's Theory of the Physical Constitution of the Moon. Simon Newcomb.
3. On the Source of Free Hydrochloric Acid in the Gastric Juice. E. N. Horsford.

The Salem, Mass., Meeting, August, 1869. (Vol. 18)

1. Spectrum Observations at Burlington, Iowa, during the Eclipse of August 7, 1869. C. A. Young.
2. On the Relation between the Intensity of Light Produced from the Combustion of Illuminating Gas and the Volume of Gas Consumed. Benjamin Silliman.
3. Notice of some New Tertiary and Cretaceous Fishes. O. C. Marsh.
4. On the Distribution of the Native Tribes of Alaska and the Adjacent Territory. W. H. Dall.

The Troy, N. Y., Meeting, August, 1870. (Vol. 19)

1. On Dispersion and the Possibility of Attaining Perfect Acromatism. Edward C. Pickering.
2. On the Former Existence of Local Glaciers in the White Mountains. Louis Agassiz.
3. On the Relations of the Order of Mammals. Theodore Gill.
4. Investigations of the Development of Yeast or Zymatic Fungus. Theodore Hilgard.

STATISTICAL DATA

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers</i>	<i>Membership</i>
1866	Buffalo, N. Y.	—	65	637
1867	Burlington, Vt.	73	75	415
1868	Chicago, Ill.	259	151	686
1869	Salem, Mass.	244	162	511
1870	Troy, N. Y.	188	144	536

IV. THE PERIOD FROM 1871 TO 1880

On the whole, the decade under consideration was one in which the implications of previous theories were being tested by observation and experiment. Astronomers were making spectroscopic observations of the sun; physicists were investigating the consequences of the relations between electric currents and magnetism; chemists were rapidly developing analytic chemistry and discovering new elements; geologists were reading the strata of the rocks in the light of the uniformitarian theory as expounded by Lyell (1830-35); and biologists were coming to realize the profound significance of Darwin's *Origin of Species* (1859). It was a period in which many scientists, with the enthusiasm of pioneers, were entering and exploring vast regions the masters had opened.

Theoretical chemistry received a great impetus during this period by the publication just before its beginning of Mendeleeff's periodic table of the chemical elements. An equally great contribution to chemistry and physical science was the publication, in 1877, of J. Willard Gibbs's paper "On the Equilibrium of Heterogeneous Solution," a profound work which was not generally understood or appreciated for many years. On the other hand, Maxwell's electromagnetic theory (1873) was almost immediately accepted.

PRESIDENTIAL ADDRESSES

William Chauvenet (mathematician), who was elected president of the Association for 1870, died early in the year and was succeeded by T. Sterry Hunt, vice-president of the Association. Hunt (geologist) delivered his address as retiring president at the meeting held in Indianapolis, Ind., in August, 1871. Instead of delivering a general philosophical discussion on science and the role the Association might play in its advancement, as many of his predecessors had done, he limited himself to his own field, the fundamental problems relating to the crystalline stratified rocks in the north-eastern part of the United States. After describing the rocks that are exposed in the region, he entered into a lengthy discussion of their origin, opinions concerning which were rapidly changing at the time. He closed his address as follows (vol. 20, pp. 1-59):

I have thus endeavored to sketch, in a concise and rapid manner, the history of the earlier rock-formations of eastern North America, and of our progress in the knowledge of them; while I have, at the same time, dwelt upon some of the geognostical and chemical questions which their study suggests. With the record of the last thirty years before them, American geologists have cause for congratulation that their investigations have been so fruitful in great results. They see, however, at the same time, how much yet remains to be done in the study of the Appalachians and of our northeastern coast, before the history of these ancient rock-formations can be satisfactorily written. Meanwhile our adventurous students are directing their labors to the vast regions of western America, where the results which have already been obtained are of profound interest. The progress of these investigations will doubtless lead us to modify many of the views now accepted in science, and cannot fail greatly to enlarge the bound of geological knowledge.

Asa Gray (botany), president of the Association in 1871, delivered his address as retiring president at the meeting held in Dubuque, Iowa, in August, 1872. Like his predecessor, Gray limited his discussion to his own field. This change from general philosophical subjects to narrower fields for addresses of retiring presidents of the Association may have been due to the rapidly increasing richness of science or to an increasing humility of scientists, only to be carried to such an extreme in later times that specialists boasted of their ignorance respecting everything outside their own narrow fields.

Gray made a journey across the continent in preparation, as he said, for his address. He chose for his subject the Sequoia trees of California. That he spoke about them not as an awe-struck tourist but as a scientist grappling with the great problems of evolution of life on the earth will be evident from the following excerpt from his address (vol. 21, pp. 1-31) :

One notable thing about these Sequoia trees is their *isolation*. Most of the trees associated with them are of peculiar species, and some of them are nearly as local. Yet every Pine, Fir, and Cypress in California is in some sort familiar, because it has near relatives in other parts of the world. But the Redwoods have none. The Redwood—including in that name the two species of "big-trees"—belongs to the general Cypress family, but is *sui generis*. Thus isolated systematically, and extremely isolated geographically, and so wonderful in size and port, they more than other trees suggest questions.

Were they created thus local and lonely, denizens of California only; one in limited numbers in a few choice spots on the Sierra Nevada, the other along the coast range from the Bay of Monterey to the frontiers of Oregon? Are they veritable Melchizedeks, without pedigree or early relationship, and possibly fated to be without descent?

Or are they now coming upon the stage—or rather were they coming but for man's interference—to play a part in the future?

Or are they remnants, sole and scanty survivors of a race that has played a grander part in the past, but is now verging to extinction? Have they had a career, and can that career be ascertained or surmised, so that we may at least guess whence they came, and how, and when?

Time was, and not long ago, when such questions as these were regarded as useless and vain,—when students of natural history, unmindful of what the name denotes, were content with a knowledge of things as they now are, but gave little heed as to how they came to be so. Now, such questions are held to be legitimate, and perhaps not wholly unanswerable. It cannot now be said that these trees inhabit their present restricted areas simply because they are there placed in the climate and soil of all the world most congenial to them. These must indeed be congenial, or they would not survive. But when we see how Australian Eucalyptus trees thrive upon the Californian coast, and how these very Redwoods flourish upon another continent; how the so-called wild oat (*Avena sterilis* of the Old World) has taken full possession of California; how that cattle and horses, introduced by the Spaniard, have spread as widely and made themselves as much at home on the plains of La Plata as on those of Tartary; and that the cardoon-thistle seeds, and others they brought with them, have multiplied there into numbers probably much exceeding those extant in their native lands; indeed, when we contemplate our own race, and our own particular stock, taking such recent but dominating possession of this New World; when we consider how the indigenous flora of islands generally succumbs to the foreigners which come in the train of man; and that most weeds (*i.e.*, the prepotent plants in open soil) of all temperate climates are not “to the manner born,” but are self-invited intruders,—we must needs abandon the notion of any primordial and absolute adaptation of plants and animals to their habitats, which may stand in lieu of explanation, and so preclude our inquiring any further.

J. Lawrence Smith (chemistry), president at the meeting in Dubuque, Iowa, in 1872, delivered his address as retiring president at the meeting at Portland, Maine, in August, 1873. Smith's address consisted of three parts, the first a defense of pure research, stimulated no doubt by the popular fame of technicians and inventors. The second part was devoted to a discussion of the methods of science in which he spoke very critically of a tendency among scientists to abandon the Baconian method and to indulge in speculations, pyramiding one on another until they had little relationship to experience. He closed with remarks about the habit of claiming that science supports religion, a habit that still lingers. A quotation will make clear his point of view (vol. 22, pp. 1-26) :

Reference has already been made to the tendency of quitting the physical to revel in the metaphysical, which, however, is not peculiar to this age, for it belonged as well to the times of Plato and Aristotle as it does to ours. More special reference will be made here to the proclivity of the present epoch among philosophers and theologians to parade science and religion side by side; talking of reconciling science and religion, as if they had ever been unreconciled. Scientists and theologians may have quarrelled, but never science and religion. At dinners they are toasted in the same breath, and calls made on clergymen to respond, who, for fear of giving offence, or lacking the fire and firmness of St. Paul, utter a vast amount of platitudes about the beauty of science and the truth of religion, trembling in their shoes all the time, fearing that science, falsely so called, may take away their professional calling, instead of uttering in voice of thunder, like the Boanerges of the gospel, that “the world by wisdom knew not God.” And it never will. Our religion is made so plain by the light of faith that the way-faring man, though a fool, cannot err therein.

No, gentlemen; I firmly believe that there is less connection between science and religion than there is between jurisprudence and astronomy, and the sooner this is understood the better it will be for both.

Joseph Lovering (physics), president of the Association at the meeting held in Portland, Maine, in 1873, and permanent secretary of the Association from 1854 to 1872, inclusive, delivered his address as retiring president at the meeting held at Hartford, Conn., in August, 1874.

After preliminary remarks, Lovering announced the subject of his address as follows (vol. 23, pp. 1-36) :

The point of view which I have chosen for reviewing the close and advancing columns of the physical sciences is this:—Are there any improvements in the weapons of attack, or have any additions been made to them? These are of two kinds:—1. Instruments for experiment, and 2. The logic of mathematics. These are the lighter and the heavier artillery in this peaceful service.

This statement, however, gives only a hint of Lovering's sweeping survey of physical science from the days of Galileo until the year of his address. It did not consist of general comments, but was a comprehensive record of the progress of experiments and the evolution of the physical theories to which they were related. It would be difficult to find a better brief summary of physical science of the period, and it is especially interesting because it was written when many of the subjects discussed were still novel or controversial. Lovering gave excellent surveys of such subjects as, (1) the various measurements of the velocity of light and their bearing on the nature of light, (2) the work of Ohm in electricity, (3) the determination of the astronomical unit, (4) the work of Angstrom, Balfour Stewart and Kirchhoff on the principles of spectrum analysis, (5) the constitution of nebulae, (6) the origin of the planets, (7) the Doppler effect in sound and light, (8) the problem of ether, (9) the velocity of gravitation, (10) the work of Faraday, Maxwell and others on the experimental and theoretical principles of electricity and magnetism, (11) the nature of gravitation, (12) the conservation of energy, (13) the nature of heat and the kinetic theory of gases, (14) Helmholtz's work on vortices.

John L. Le Conte (entomology), president of the Association at the meeting held in Hartford, Conn., in August, 1874, delivered his address as retiring president at the meeting held in Detroit, Michigan, in August, 1875. He undertook to show that "by proper methods we can discover in our flora and fauna the remnants of former geologic times, which remain unchanged and have escaped those influences of variation which are supposed to account for the differences in the organic beings of different periods." He illustrated his views by references to a species of Tiger-beetle and other

insects. Then he discussed the difficulties persons have of understanding others of different antecedents and culture, and went on to explanations of reasons why such varied views are held respecting the relations between science and religion. He arrived at the conclusion that "there is no occasion for strict Science and pure Religion to be in conflict. . . ." (Vol. 24, pp. 1-18.)

Julius E. Hilgard (geography), president of the Association at the meeting held at Detroit in August, 1875, delivered his address as retiring president at the meeting held at Buffalo, New York, in August, 1876. Casting aside the temptation to present a general review of a century of science on the centennial of the Declaration of Independence of the American colonies, and refraining from a further discussion of the relations between science and religion, he took for the subject of his address Geodasy and Topography, the measurement of the size and form of the earth and the mapping of its surface. He gave a straightforward historical and critical account of these two related fields. In his concluding paragraphs, however, he presented some reflections on the role "abstract thought and pure mathematics have had . . . in the development of human knowledge," and terminated his address rather abruptly with the sentence: "Friends, to my mind this insatiate desire to know the causes of things, and to understand the ways of creation, is the strongest evidence that there is a Divine mind from which the human mind is derived, and that man *has* been made in the image of God." (Vol. 25, pp. 1-16.)

William B. Rogers (geology), president of the Association at the meeting held at Detroit in August, 1875, was ill at the time of the following meeting held at Nashville, Tenn., in August, 1876, and did not deliver an address as retiring president.

Simon Newcomb (astronomy) delivered his address as retiring president of the Association at the meeting held at St. Louis, Mo., in August, 1878. In describing the subject and purpose of his address, he said:

. . . I have been led to present to you some thoughts on the Course of Nature as seen in the light of modern scientific and philosophic research. . . .

The key-note of my discourse is found in a proposition which is fundamental in the history of modern science, and without a clear understanding of which everything I say may be entirely misunderstood. This proposition is, that science concerns itself only with phenomena and the relations which connect them, and does not take account of any questions which do not in some way admit of being brought to the test of observation. The only universe it knows is that made known by the telescope, the microscope and other appliances of observation. That this is the whole universe we should all be very sorry to suppose, and none more so than he who has the honor to address you. But, should I pretend to a scientific knowledge of what lies behind this visible frame, I should be acting the part of the rash speculator rather than of the cautious thinker. Only into a single field of thought do I dare to venture.

The severe limitations Newcomb imposed upon himself did not prevent his delivering a profound and interesting address. (Vol. 27, pp. 1-28.)

O. C. Marsh (geology) delivered his address as retiring president of the Association at its meeting held at Saratoga Springs, N. Y., in August, 1879. The first paragraph and the next to the last one in his scholarly address will give an idea of both the subject matter and the method of its treatment. (Vol. 28, pp. 1-42.)

In the rapid progress of knowledge, we are constantly brought face to face with the question, What is Life? The answer is not yet, but a thousand earnest seekers after truth seem to be slowly approaching a solution. This question gives a new interest to every department of science that relates to life in any form, and the history of life offers a most suggestive field for research. One line of investigation lies through embryology, and here the advance is most encouraging. Another promising path leads back through the life history of the globe, and in this direction we may hope for increasing light, as a reward for patient work. . . .

I have endeavored to define clearly the different periods in the history of Palaeontology. If I may venture, in conclusion, to characterize the present period in all departments of science, its main feature would be a *belief in universal laws*. The reign of Law, first recognized in the physical world, has now been extended to Life, as well. In return, Life has given to inanimate nature the key to her profounder mysteries—Evolution, which embraces the universe.

George F. Barker (chemistry) delivered his address as retiring president of the Association at its meeting held at Boston, Mass., in August, 1880. For the first time a retiring president of the Association gave his address a formal title, "Some Modern Aspects of the Life-Question." The discussion was concerned largely with transformations of energy in the cells, and the transmission of impulses along nerve fibers in animals. It was, of course, brought out that the ultimate source of energy on the earth is the sun, a fact that provided occasion for a beautiful closing paragraph. (Vol. 29, pp. 1-30.)

PAPERS OF INTEREST PRESENTED AT THE MEETINGS

The Indianapolis, Ind., Meeting, August, 1871. (Vol. 20)

1. On the Geological History of the Gulf of Mexico. E. W. Hilgard.
2. On the Characteristics of the Primary Groups of the Class of Mammals. Theodore Gill.
3. The Great Mound on the Etowah River, Georgia. Charles Whittlesey.

The Dubuque, Iowa, Meeting, August, 1872. (Vol. 21)

1. On Soil Analyses and their Utility. Eugene W. Hilgard.
2. Ancient Mounds of Dubuque and its Vicinity. H. T. Woodman.

The Portland, Maine, Meeting, August, 1873. (Vol. 22)

1. The Relation of the Dissipation of Energy to Cosmical Evolution. H. F. Walling.
2. Artificial Shell-Heaps of Fresh-Water Mollusks. C. A. White.
3. On the duty of Governments in the Preservation of Forests. Franklin B. Hough.

The Hartford, Conn., Meeting, August, 1874. (Vol. 23)

1. On the Inner Satellites of Uranus. Edward S. Holden.
2. The Recency of Certain Volcanoes of the Western United States. G. K. Gilbert.
3. Studies in the Formation of Mountains in the Sierra Nevada. John Muir.
4. Cremation among North American Indians. John L. LeConte.

The Detroit, Mich., Meeting, August, 1875. (Vol. 24)

For some years before the meeting in Detroit, the programs of the Association had been organized under two sections: Section A, Mathematics, Physics, and Chemistry; Section B, Natural History; and there was a vice-president of the Association for each of these sections. At the meeting in 1874, at the time of the adoption of a new constitution and the incorporation of the Association under the laws of the Commonwealth of Massachusetts, the policy was inaugurated of having a formal general address by each of the vice presidents. As a rule, the reports herein on later meetings of the Association will contain references only to the addresses of vice presidents. When the addresses were without formal titles the subjects are indicated in parentheses.

1. Vice presidential address, Section A. H. A. Newton (mathematics).
2. Vice presidential address, Section B. J. W. Dawson (paleontology).

The Buffalo, N. Y., Meeting, August, 1876. (Vol. 25)

1. Vice presidential address, Section on Mathematics, Physics and Chemistry. C. A. Young (astronomy).
2. Vice presidential address, Section on Natural History. Edward S. Morse: "What American Scientists have done for Evolution."
3. Address of chairman of Subsection on Chemistry. G. F. Barker (molecules).
4. "On the Post-Glacial History of Sequoia Gigantea." John Muir.

The Nashville, Tenn., Meeting, August, 1877. (Vol. 26)

1. Vice presidential address, Section on Mathematics, Physics and Chemistry. E. C. Pickering (research).

2. Vice presidential address, Section on Natural History. O. C. Marsh: "Introduction and Succession of Vertebrate Life in America."

3. Address of chairman of Subsection on Anthropology. Daniel Wilson (historical).

The St. Louis, Mo., Meeting, August, 1878. (Vol. 27)

1. Vice presidential address, Section on Mathematics, Physics and Chemistry. Robert H. Thurston: "Science of the Advancement of Science."

2. Vice presidential address, Section on Natural History. August R. Grote: "Education and the Succession of Experiences."

3. Address of chairman of Subsection on Chemistry. F. W. Clarke (research in chemistry).

The Saratoga Springs, N. Y., Meeting, August, 1879. (Vol. 28)

1. Vice presidential address, Section on Mathematics, Physics and Chemistry. S. P. Langley: "Solar Physics."

2. Vice presidential address, Section on Natural History. John W. Powell: "Mythologic Philosophy."

3. Address of chairman of Subsection on Chemistry. Ira Remsen (organic chemistry).

4. "Experimental Determination of the Velocity of Light." Albert A. Michelson.

The Boston Meeting, August, 1880. (Vol. 29)

1. Vice presidential address, Section on Mathematics, Physics and Chemistry. Asaph Hall (astronomical observations).

2. Vice presidential address, Section on Natural History. Alexander Agassiz: "Paleontological and Embryological Development."

3. Address of chairman of Subsection of Chemistry. John M. Ordway (historical).

4. Address of chairman of Subsection of Anthropology. J. W. Powell: "Wyandotte Government. A Short Study of Tribal Society."

STATISTICAL DATA

Year	Meeting Place	Registration	Papers Read	Membership
1871	Indianapolis, Ind.	196	107	668
1872	Dubuque, Iowa	164	101	610
1873	Portland, Me.	195	146	670
1874	Hartford, Conn.	224	165	722
1875	Detroit, Mich.	165	136	807
1876	Buffalo, N. Y.	215	147	867
1877	Nashville, Tenn.	173	78*	953
1878	St. Louis, Mo.	134	103	962
1879	Saratoga Springs, N. Y.	256	136	1030
1880	Boston, Mass.	997	276	1555

*Epidemic of yellow fever in Southern States was "alarming."

V. THE PERIOD FROM 1881 TO 1890

The advancements of science during this period were of the same general nature as those in the preceding decade—the completion by observation and experiment of the implications of earlier general theories, such as those of spectrum analysis, uniformitarianism in geology, evolution in biology, the conservation of energy, etc. There were, however, several scientific achievements of the first order of importance, such as Hertz's experimental verification of Maxwell's electromagnetic theory, the Michelson-Morley ether drift experiment in 1887, Pasteur's conquering of rabies, Koch's work in Berlin, development of aseptic surgery by Lister, discovery of the structure and mode of division of germ cells by Flemming (1882) and Waldeyer (1888), Weismann's theory of heredity through the continuity of the germ-plasm, and the discovery of the existence of vitamins.

PRESIDENTIAL ADDRESSES

L. H. Morgan (geology), retiring president at the meeting held in Cincinnati, Ohio, in August, 1881, was unable to deliver an address because of age and infirmities.

George J. Brush (mineralogy) delivered his address as retiring president of the Association at the meeting held in Montreal, Canada, in August, 1882, on "A Sketch of the Progress of American Mineralogy." (Vol. 31, pp. 1-20.)

J. W. Dawson (geology) delivered his address as retiring president of the Association at the meeting held at Minneapolis, Minn., in August, 1883. The title of the address was "On Some Unsolved Problems in Geology." After sketching the unsolved problems relating to the origin of various series of rocks, he covered similarly the succession of life forms and concluded with references to glaciation. (Vol. 32, pp. 1-27.)

. . . Geology as a science scarcely dates from a century ago. We have reason for surprise in these circumstances, that it has learned so much, but for equal surprise that so many persons appear to think it a complete and full-grown science and that it is entitled to speak with confidence on all the great mysteries of the earth that have been hidden from the generations before us. Such being the newness of man and of his science of the earth, it is not too much to say that humility, hard work in collecting facts, and abstinence from hasty generalization should characterize geologists, at least for a few generations to come.

Charles A. Young (astronomy) delivered his address as retiring president of the Association at the meeting held at Philadelphia, Pa., in September, 1884, on "Pending Problems in Astronomy." (Vol. 33, pp. 1-27.)

J. P. Lesley (geology) delivered his address as retiring president at the meeting held at Ann Arbor, Mich., in August, 1885. He gave the address

no formal title, but discussed defects in attitudes and methods of scientists. (Vol. 34, pp. 1-21.)

H. A. Newton (mathematics) delivered his address as retiring president at the meeting held at Buffalo, New York, in August, 1886. Although there was no formal title to his address, the subject was *Meteorites*. (Vol. 35, pp. 1-18.)

E. S. Morse (zoology), retiring president at the meeting held at New York in August, 1887, delivered an address without formal title, but the general subject was *Variation*. (Vol. 36, pp. 1-43.)

S. P. Langley (physics), at the meeting held at Cleveland, Ohio, in August, 1888, delivered his address as retiring president on "The History of a Doctrine" (radiant energy). (Vol. 37, pp. 1-23.)

J. W. Powell (geology) chose as the subject for his address as retiring president at the meeting held at Toronto, Ontario, in August, 1889, "Evolution of Music from Dance to Symphony." (Vol. 38, pp. 1-21.)

T. C. Mendenhall (physics), retiring president at the meeting held in Indianapolis, Ind., in August, 1890, delivered his retiring presidential address on "The Relations of Men of Science to the General Public." (Vol. 39, pp. 1-15.)

ADDRESSES OF VICE PRESIDENTS OF SECTIONS AND OF OTHERS¹

The Cincinnati Meeting, August, 1881. (Vol. 30)

1. Address of chairman of Subsection of Entomology. John G. Morris (historical).

2. Address of chairman of Subsection of Anthropology. Garrick Mallery: "The Gesture Speech of Man."

3. A Lawgiver of the Stone Age. Horatio Hale.

At this meeting the Standing Committee voted that beginning with the following meeting only abstracts of papers (other than those of officers) would be printed in the Proceedings, except in special cases in which a section might request that a paper be printed in full.

After this meeting the work of the Association was carried on in nine sections, each with a vice president, one of whose duties was to deliver an address to the section over which he presided. The nine sections were: Mathematics and Astronomy (A), Physics (B), Chemistry (C), Mechanical Science (D), Geology and Geography (E), Biology (F), Histology and Microscopy (G), Anthropology (H), and Economic Science and Statistics (I).

The Montreal Meeting, August, 1882. (Vol. 31)

Mathematics and Astronomy. William Harkness (distance to the sun).

¹ When an address had no formal title its general subject is indicated in parentheses.

Physics. T. C. Mendenhall (advancement of physics).

Chemistry. H. Carrington Bolton: "Chemical Literature."

Mechanical Science. W. P. Trowbridge (engineering).

Biology. William H. Dall (mollusks).

Histology and Microscopy. A. H. Tuttle (microscopes).

Anthropology. Daniel Wilson: "Some Physical Characteristics of Native Tribes of Canada."

The Minneapolis Meeting, August, 1883. (Vol. 32)

Mathematics and Astronomy. W. A. Rogers: "The German Survey of the Northern Heavens."

Physics. Henry A. Rowland: "A Plea for Pure Science."

Geology and Geography. C. H. Hitchcock: "The Early History of the North American Continent."

Biology. W. J. Beal: "Agriculture: Its Needs and Opportunities."

Anthropology. Otis T. Mason: "The Scope and Value of Anthropological Studies."

Economic Science and Statistics. Franklin B. Hough: "The Methods of Statistics."

The Philadelphia Meeting, September, 1884. (Vol. 33)

Mathematics and Astronomy. Henry T. Eddy: "College Mathematics."

Physics. John Trowbridge: "What Is Electricity?"

Chemistry. John W. Langley: "The Conception of Chemical Affinity."

Mechanical Science. Robert H. Thurston: "The Mission of Science."

Geology and Geography. N. H. Winchell: "The Crystalline Rocks of the Northwest."

Biology. Edward D. Cope: "On Catagenesis."

Histology and Microscopy. T. G. Wormley: "The Applications of the Microscope."

Anthropology. Edward S. Morse: "Man in the Tertiaries."

Economic Science and Statistics. John Eaton: "Scientific Method and Scientific Knowledge in Common Affairs."

The Ann Arbor Meeting, August, 1885. (Vol. 34)

Chemistry. William Ripley Nichols: "Chemistry in the Service of Public Health."

Mechanical Science and Engineering. J. Burkitt Webb: "The Second Law of Thermodynamics."

Geology and Geography. Edward Orton (geological problems).

Biology. Burt G. Wilder: "Educational Museums of Vertebrates."

Histology and Microscopy. Simon Henry Gage: "The Limitations and

Value of Histological Investigation, Illustrated by a Consideration of the Structure of a Respiratory Membrane in the Pharynx of Soft-Shelled Turtles."

Anthropology. William H. Dall: "The Native Tribes of Alaska."

Economic Science and Statistics. Edward Atkinson: "The Application of Science to the Production and Consumption of Food."

The Buffalo Meeting, August, 1886. (Vol. 35)

Mathematics and Astronomy. J. Willard Gibbs: "Multiple Algebra."

Physics. C. F. Brackett: "The Electromotive Force of the Voltaic Cell."

Chemistry. Harvey W. Wiley: "The Economic Aspects of Agricultural Chemistry."

Mechanical Science and Engineering. O. Chanute: "Scientific Invention."

Geology and Geography. T. C. Chamberlin: "An Inventory of our Glacial Drift."

Biology. H. P. Bowditch: "What Is Nerve-Force?"

Anthropology. Horatio Hale: "The Origin of Languages, and the Antiquity of Speaking Man."

Economic Science and Statistics. Joseph Cummings: "Capitalists and Laborers."

The New York Meeting, August, 1887. (Vol. 36)

Physics. W. A. Anthony (value of applications of science).

Chemistry. A. B. Prescott: "The Chemistry of Nitrogen as Disclosed in the Constitution of the Alkaloids."

Mechanical Science and Engineering. E. B. Coxé (engineers).

Geology and Geography. G. K. Gilbert: "The Work of the International Congress of Geologists" (at Berlin in 1885).

Biology. William G. Farlow: "Vegetable Parasites and Evolution."

Anthropology. Daniel G. Brinton: "A Review of the Data for the Study of the Prehistoric Chronology of America."

Economic Science and Statistics. Henry E. Alvord: "Economy in the Management of the Soil."

The Cleveland Meeting, August, 1888. (Vol. 37)

Mathematics and Astronomy. Ormond Stone: "Motions of the Solar System."

Physics. Albert A. Michelson: "A Plea for Light Waves."

Chemistry. Charles E. Munroe: "Some Phases in the Progress of Chemistry."

Geology and Geography. George H. Cook: "On the International Geological Congress, and Our Part in It as American Geologists."

Biology. Charles V. Riley: "On the Causes of Variation in Organic Forms."

Anthropology. Charles C. Abbott: "Evidences of the Antiquity of Man in Eastern North America."

Economic Science and Statistics. Charles W. Smiley: "Altruism Considered Economically."

The Toronto Meeting, August, 1889. (Vol. 38)

Mathematics and Astronomy. Robert Simpson Woodward: "The Mathematical Theories of the Earth."

Physics. Henry S. Carhart: "Review of Theories of Electrical Action."

Chemistry. William L. Dudley: "The Nature of Amalgams."

Geology and Geography. Charles A. White: "The North American Mesozoic."

Biology. George L. Goodale: "Some Recent Investigations Relative to Cell-Contents."

Anthropology. Garrick Mallery: "Israelite and Indian. A Parallel in Planes of Culture."

Economic Science and Statistics. Charles S. Hill: "Economic and Sociologic Relations of the Canadian States and the United States, Prospectively Considered."

The Indianapolis Meeting, August, 1890. (Vol. 39)

Mathematics and Astronomy. Seth Carlo Chandler: "The Variable Stars."

Physics. Cleveland Abbe: "A Plea for Terrestrial Physics."

Chemistry. Robert B. Warder: "Recent Theories of Geometrical Isomerism."

Mechanical Science and Engineering. James E. Denton: "History of Attempts to Determine the Relative Value of Lubricants by Mechanical Tests."

Geology and Geography. John C. Branner: "The Relations of the State and National Geological Surveys to Each Other and to the Geologists of the Country."

Biology. Charles Sedgwick Minot: "On Certain Phenomena of Growing Old."

Anthropology. Frank Baker: "The Ascent of Man."

Economic Science and Statistics. J. Richard Dodge: "The Standard of Living in the United States."

STATISTICAL DATA

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1881	Cincinnati	500	182	1699
1882	Montreal	579	255	1922
1883	Minneapolis	328	168	2033
1884	Philadelphia	1261	305	1981
1885	Ann Arbor	364	184	1956
1886	Buffalo	445	217	1886
1887	New York	729	250	1956
1888	Cleveland	342	215	1964
1889	Toronto	424	211	1952
1890	Indianapolis	364	244	1944

VI. THE PERIOD FROM 1891 TO 1900

There were several scientific discoveries of the first order of importance during the decade from 1891 to 1900, inclusive. Perhaps the first that should be mentioned was Ostwald's discovery, in 1892, of the profound nature of Gibb's paper "On the Equilibrium of Heterogeneous Substances," published in 1877. In 1894 Bateson found that a great number of examples of large variations in living organisms seemed to indicate that evolution proceeds by finite jumps rather than gradually, as had generally been believed, and de Vries announced his mutation theory at about the close of the decade. In 1895 Roentgen discovered X-rays. The life history of the malarial parasite was worked out by Ross in 1898, and Reed demonstrated the mode of transmission of yellow fever in 1900. Naturally these important scientific discoveries had little immediate effect upon the meetings of the Association.

PRESIDENTIAL ADDRESSES

George Lincoln Goodale (botany), retiring president at the meeting held in Washington, D. C., in August, 1891, delivered an address on "Useful Plants of the Future—Some of the Possibilities of Economic Botany." (Vol. 40, pp. 1-38.)

Albert B. Prescott (chemistry) chose as the subject for his address as retiring president at the meeting held in Rochester, N. Y., in August, 1892, "The Immediate Work in Chemical Science." (Vol. 41, pp. 1-14.)

Joseph LeConte (geology), retiring president at the meeting held at Madison, Wisconsin, in August, 1893, delivered an address on "Theories of the Origin of Mountain Ranges." (Vol. 42, pp. 1-27.)

William Harkness (astronomy) delivered his address as retiring president of the meeting held at Brooklyn, N. Y., in August, 1894, on "The Magnitude of the Solar System." (Vol. 43, pp. 1-23.)

Daniel G. Brinton (anthropology), retiring president at the meeting held

at Springfield, Mass., in August-September, 1895, delivered an address on "The Aims of Anthropology." (Vol. 44, pp. 1-17.)

Edward W. Morley (chemistry), retiring president at the meeting held at Buffalo, New York, in August, 1896, delivered an address on "A Completed Chapter in the History of the Atomic Theory." (Vol. 45, pp. 1-22.)

Theodore Gill (zoology), successor, as senior vice president, to Edward D. Cope, president, who died on April 12, 1897, by action of the Council "was requested to prepare an address to take the place of the one which would have been delivered by President Cope had his life been spared," chose for the subject of his retiring address at the meeting held at Detroit, Michigan, in August, 1897, "Edward Drinker Cope, Naturalist—A Chapter in the History of Science." (Vol. 46, pp. 1-30.)

Walcott Gibbs (chemistry), retiring president at the meeting held at Boston, Mass., in August, 1898, did not announce a formal title for his address but spoke on "some theoretical points connected" with his work. (Vol. 47, pp. 1-16.)

Frederic Ward Putnam (anthropology), retiring president at the meeting held at Columbus, Ohio, in August, 1899, in his address spoke on "A Problem in American Anthropology." (Vol. 48, pp. 1-17.)

Grove Karl Gilbert (geology), successor to Edward Orton who died October 16, 1899, chose for the subject of his address as retiring president at the meeting held in New York, N. Y., in June, 1900, "Rhythms and Geologic Time." (Vol. 49, pp. 1-19.)

ADDRESSES OF VICE PRESIDENTS

The Washington Meeting, August, 1891. (Vol. 40)

Mathematics and Astronomy. E. W. Hyde: "The Evolution of Algebra."

Physics. Francis E. Nipher: "The Ether."

Chemistry. R. C. Kedzie: "Alchemy."

Mechanical Science and Engineering. Thomas Gray: "Problems in Mechanical Science."

Geology and Geography. John J. Stevenson: "The Chemung and Catskill (Upper Devonian) on the Eastern Side of the Appalachian Basin."

Biology. John M. Coulter: "The Future of Systematic Botany."

Anthropology. Joseph Jastrow: "The Natural History of Analogy."

Economic Science and Statistics. Edmund J. James: "The Farmer and Taxation."

The Rochester Meeting, August, 1892. (Vol. 41)

Mathematics and Astronomy. J. R. Eastman: "The Neglected Field of Fundamental Astronomy."

Physics. Benjamin F. Thomas: "Technical Education in Colleges and Universities."

Chemistry. Alfred Springer: "The Micro-organisms of the Soil."

Mechanical Science and Engineering. John B. Johnson: "The Applied Scientist."

Geology and Geography. Henry S. Williams: "The Scope of Paleontology and Its Value to Geologists."

Biology. Simon Henry Gage: "The Comparative Physiology of Respiration."

Anthropology. W. H. Holmes: "Evolution of the Aesthetic."

Economic Science and Statistics. Lester F. Ward: "The Psychologic Basis of Social Economics."

The Madison Meeting, August, 1893. (Vol. 42)

Mathematics and Astronomy. C. L. Doolittle: "Variations of Latitude."

Physics. E. L. Nichols: "Phenomena of the Time-Infinitesimal."

Chemistry. Edward Hart: "Twenty-five Years' Progress in Analytical Chemistry."

Mechanical Science and Engineering. S. W. Robinson: "Training in Engineering Science."

Geology and Geography. Charles D. Walcott: "Geologic Time: as Indicated by the Sedimentary Rocks of North America."

Zoology. Henry Fairfield Osborn: "The Rise of the Mammalia in North America."

Botany. Charles E. Bessey: "Evolution and Classification."

Anthropology. James Owen Dorsey: "The Biloxi Indians of Louisiana."

Economic Science and Statistics. W. H. Brewer: "The Mutual Relations of Science and Stock Breeding."

The Brooklyn Meeting, August, 1894. (Vol. 43)

Mathematics and Astronomy. George C. Comstock: "Binary Stars."

Physics. William A. Rogers: "Obscure Heat as an Agent in Producing Expansion in Metals, under Air Contact."

Chemistry. Thomas H. Norton: "The Battle with Fire, or the Contributions of Chemistry to the Methods of Preventing and Extinguishing Conflagration."

Mechanical Science and Engineering. Mansfield Merriman: "The Resistance of Materials under Impact."

Geology and Geography. Samuel Calvin: "The Niobrara Chalk."

Botany. Lucien M. Underwood: "The Evolution of the Hepaticae."

Anthropology. Franz Boas: "Human Faculty as Determined by Race."

Economic Science and Statistics. Henry Farquhar: "A Stable Monetary Standard."

The Springfield, Mass., Meeting, Aug.-Sept., 1895. (Vol. 44)

Mathematics and Astronomy. Edgar Frisby. (No address.)

Physics. W. LeConte Stevens: "Recent Progress in Optics."

Chemistry. William McMurtrie: "The Relations of the Industries to the Advancement of Chemical Science."

Mechanical Science and Engineering. William Kent: "The Relation of Engineering to Economics."

Botany. J. C. Arthur: "Development of Vegetable Physiology."

Anthropology. Frank Hamilton Cushing: "The Arrow."

Social and Economic Science. B. E. Fernow: "The Providential Functions of Government with Special Reference to Natural Resources."

The Buffalo Meeting, August, 1896. (Vol. 45)

Mathematics and Astronomy. Alexander Macfarlane. (No address.)

Physics. Carl Leo Mees (electrolysis).

Chemistry. William A. Noyes: "The Achievements of Physical Chemistry."

Mechanical Science and Engineering. Frank O. Marvin: "The Artistic Element in Engineering."

Geology and Geography. Benjamin K. Emerson: "Geological Myths."

Zoology. Theodore Gill: "Some Questions of Nomenclature."

Botany. N. L. Britton: "Botanical Gardens."

Anthropology. Alice C. Fletcher: "The Emblematic Use of the Tree in the Dakotan Group."

Social and Economic Science. W. R. Lazenby: "Horticulture and Health."

The Detroit Meeting, August, 1897. (Vol. 46)

Mathematics and Astronomy. W. W. Beman: "A Chapter in the History of Mathematics."

Physics. Carl Barus: "Long Range Temperature and Pressure Variables in Physics."

Chemistry. W. P. Mason: "Expert Testimony."

Mechanical Science and Engineering. John Galbraith: "The Ground-work of Dynamics."

Geology and Geography. I. C. White: "The Pittsburg Coal Bed."

Zoology. L. O. Howard: "The Spread of Land Species by the Agency of Man; with Especial Reference to Insects."

Botany. G. F. Atkinson: "Experimental Morphology."

Anthropology. W. J. McGee: "The Science of Humanity."

Social and Economic Science. R. T. Colburn: "Improvident Civilization."

The Boston Meeting, August, 1898. (Vol. 47)

Mathematics and Astronomy. Edward E. Barnard: "The Development of Photography in Astronomy."

Physics. Frank P. Whitman: "Color-Vision."

Chemistry. Edgar F. Smith: "The Electric Current in Organic Chemistry."

Geology and Geography. Herman L. Fairchild: "Glacial Geology in America."

Zoology. Alpheus S. Packard: "A Half-Century of Evolution with Special Reference to the Effects of Geological Changes on Animal Life."

Botany. William G. Farlow: "The Conception of Species as Affected by Recent Investigations on Fungi."

Anthropology. J. McKeen Cattell: "The Advance of Psychology."

Social and Economic Science. Archibald Blue: "The Historic Method in Economics."

The Columbus Meeting, August, 1899. (Vol. 48)

Mathematics and Astronomy. Alexander Macfarlane: "The Fundamental Principles of Algebra."

Physics. Elihu Thomson: "The Field of Experimental Research."

Chemistry. F. P. Venable: "The Definition of the Element."

Mechanical Science and Engineering. Storm Bull: "Engineering Education as a Preliminary Training for Scientific Research Work."

Geology and Geography. J. F. Whiteaves: "The Devonian System in Canada."

Zoology. Simon Henry Gage: "The Importance and the Promise in the Study of the Domestic Animals."

Botany. Charles R. Barnes: "The Progress and Problems of Plant Physiology."

Anthropology. Thomas Wilson: "The Beginnings of the Science of Prehistoric Anthropology."

Social and Economic Science. Marcus Benjamin: "The Early Presidents of the American Association."

The New York Meeting, June, 1900. (Vol. 49)

Mathematics and Astronomy. Asaph Hall, Jr. "On the Teaching of Astronomy in the United States."

Physics. Ernest Merritt: "On Kathode Rays and Some Related Phenomena."

Chemistry. Jas. Lewis Howe: "The Eighth Group of the Periodic System and Some of Its Problems."

Geology and Geography. J. F. Kemp: "Pre-Cambrian Sediments in the Adirondacks."

Botany. William Trelease: "Some Twentieth Century Problems."

STATISTICAL DATA

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1891	Washington	653	227	2054
1892	Rochester	456	198	2037
1893	Madison	290	168	1939
1894	Brooklyn	490	211	1802
1895	Springfield	368	214	1913
1896	Buffalo	333	279	1890
1897	Detroit	292	301	1782
1898	Boston	903	443	1729
1899	Columbus	353	273	1721
1900	New York	447	253	1925

VII. THE PERIOD FROM 1901 TO 1910

In 1900 the weekly journal *Science* became the official organ of the Association. Thereafter the principal addresses at the meetings were published in *Science*, and since 1907 the Proceedings are simply summaries without any details of addresses or papers. Partly as a consequence of this arrangement and partly because of a rapid increase in the number of scientists in America, the membership of the Association increased several fold during the first decade of this century. The programs of the Association became correspondingly larger and more important, the growth of the Section on Chemistry having been extraordinary. It is impossible within the space available in this volume to do more than to give the titles of the addresses of the presidents and the vice presidents.

Special summer meetings were held at Ithaca, N. Y., June-July, 1906, at which 66 papers were presented, and at Hanover, N. H., June-July, 1908, at which 25 papers were presented.

PRESIDENTIAL ADDRESSES

R. S. Woodward (mathematics), retiring president at the meeting held at Denver, Colorado, in August, 1901, delivered an address on "The Progress of Science." (Vol. 50, pp. 219-235.)

Charles Sedgwick Minot (medicine), retiring president at the meeting held at Pittsburg, Pa., in June-July, 1902, delivered an address on "The Problem of Consciousness in Its Biological Aspects." (Vol. 51, pp. 265-283.)

Asaph Hall (astronomy), retiring president at the meeting held at Wash-

ington, D. C., Dec., 1902 - Jan., 1903, delivered an address on "The Science of Astronomy." (Vol. 52, pp. 313-323.)

Ira Remsen (chemistry), retiring president at the meeting held at St. Louis, Mo., Dec., 1903 - Jan., 1904, delivered an address on "Scientific Investigation and Progress." (Vol. 53, pp. 329-345.)

Carroll D. Wright (economics), retiring president at the meeting held at Philadelphia, Pa., December, 1904, delivered an address on "Science and Economics." (Vol. 54, pp. 335-365.)

W. G. Farlow (botany), retiring president at the meeting held at New Orleans, Louisiana, Dec., 1905 - Jan., 1906, delivered an address on "The Popular Conception of the Scientific Man at the Present Day." (Vol. 55, pp. 213-234.)

Calvin M. Woodward (mathematics), retiring president at the meeting held in New York, New York, Dec., 1906 - Jan., 1907, delivered an address on "The Science of Education." (Vol. 57, pp. 335-355.)

William Henry Welch (medicine), retiring president at the meeting held at Chicago, Ill., Dec., 1907 - Jan., 1908, delivered an address on "The Interdependence of Medicine and Other Sciences of Nature." *Science* 27:49-64.

Edward L. Nichols (physics), retiring president at the meeting held at Baltimore, Md., Dec., 1908 - Jan., 1909, delivered an address on "Science and the Practical Problems of the Future." *Science* 29:1-10.

Thomas C. Chamberlin (geology), retiring president at the meeting held at Boston, Mass., Dec., 1909 - Jan., 1910, delivered an address on "A Geologic Forecast of the Future Opportunities of Our Race." *Science* 30:937-949.

ADDRESSES OF VICE PRESIDENTS

The Denver Meeting, August, 1901. Vol. (50)

Chemistry. John H. Long: "Some Points in the Early History and Present Condition of the Teaching of Chemistry in the Medical Schools of the United States."

Mechanical Science and Engineering. John A. Brashear: "The Carnegie Technical School."

Zoology. Charles B. Davenport: "Zoology of the Twentieth Century."

Anthropology. Amos W. Butler: "A Notable Factor of Social Degeneration."

Social and Economic Science. Calvin M. Woodward. "The Change of Front in Education."

The Pittsburgh Meeting, June-July, 1902. (Vol. 51)

Mathematics and Astronomy. James McMahon: "Some Recent Applications of Function-Theory to Physical Problems."

Physics. D. B. Brace: "The Group-Velocity and the Wave-Velocity of Light."

Mechanical Science and Engineering. Henry S. Jacoby: "Recent Progress in American Bridge Construction."

Geology and Geography. Charles R. Van Hise: "The Training and Work of a Geologist."

Zoology. David Starr Jordan: "The History of Ichthyology."

Botany. B. T. Galloway: "Applied Botany, Retrospective and Prospective."

Anthropology. J. Walter Fewkes: "Prehistoric Porto Rico."

Social and Economic Science. John Hyde: "Some Statistical and Economic Aspects of Preventable Disease."

The Washington Meeting, Dec., 1902 - Jan., 1903. (Vol. 52)

Mathematics and Astronomy. G. W. Hough: "On the Physical Constitution of the Planet Jupiter."

Physics. W. S. Franklin: "Popular Science."

Chemistry. H. A. Weber: "Incomplete Observations."

Mechanical Science and Engineering. J. J. Flather: "Modern Tendencies in the Utilization of Power."

Zoology. C. C. Nutting: "The Perplexities of a Systematist."

Botany. D. H. Campbell: "The Origin of Terrestrial Plants."

Anthropology. Stewart Culin: "America the Cradle of Asia."

Social and Economic Science. Carroll D. Wright: "The Psychology of the Labor Question."

Physiology and Experimental Medicine. William H. Welch: "The Origin and Aims of the New Section of Physiology and Experimental Medicine."

The St. Louis Meeting, Dec., 1903 - Jan., 1904. (Vol. 53)

Mathematics and Astronomy. G. B. Halsted: "The Message of Non-Euclidian Geometry."

Chemistry. Charles Baskerville: "The Elements: Verified and Unverified."

Mechanical Science and Engineering. C. A. Waldo: "Mathematics and Engineering."

Geology and Geography. W. M. Davis: "Geography in the United States."

Zoology. C. W. Hargitt: "Some Unsolved Problems of Organic Adaptation."

Social and Economic Science. H. T. Newcomb: "Some Recent Phases of the Labor Problem."

The Philadelphia Meeting, December, 1904. (Vol. 54)

Mathematics and Astronomy. Otto H. Tittmann: "The Present State of Geodasy."

Physics. Edwin H. Hall: "A Tentative Theory of Thermo-Electric Action."

Chemistry. Wilder D. Bancroft: "Future Development in Physical Chemistry."

Mechanical Science and Engineering. Calvin Milton Woodward: "Lines of Progress in Engineering."

Geology and Geography. Israel C. Russell: "Cooperation among American Geographical Societies."

Zoology. E. L. Mark: "The Bermuda Islands and the Bermuda Biological Station for Research."

Botany. Thomas H. Macbride: "The Alamogordo Desert."

Social and Economic Science. Simeon E. Baldwin: "The Modern 'Droit D'Aubaine'."

The New Orleans Meeting, Dec., 1905 - Jan., 1906. (Vol. 55)

Mathematics and Astronomy. Alexander Ziwet: "The Relation of Mechanics to Physics."

Physics. William F. Magie: "The Partition of Energy."

Chemistry. Leonard P. Kinnicutt: "The Sanitary Value of Water Analysis."

Mechanical Science and Engineering. D. S. Jacobus: "Investigations and Commercial Tests in Connection with the Work of an Engineering College."

Geology and Geography. Eugene A. Smith: "On Some Post-Eocene and Other Formations of the Gulf Region of the United States."

Zoology. C. Hart Merriam: "Is Mutation a Factor in the Evolution of the Higher Vertebrates?"

Botany. B. L. Robinson: "The Generic Concept in the Classification of the Flowering Plants."

Anthropology. Walter Hough: "Pueblo Environment."

Social and Economic Science. Martin A. Knapp: "Transportation and Combination."

Physiology and Experimental Medicine. William T. Sedgwick: "The Experimental Method in Sanitary Science and Sanitary Administration."

The New York City Meeting, Dec., 1906 - Jan., 1907. (Vol. 57)

Mathematics and Astronomy. W. S. Eichelberger: "Clocks—Ancient and Modern."

Physics. Henry Crew: "Fact and Theory in Spectroscopy."

Chemistry. Charles F. Mabery: "Education of the Professional Chemist."

Mechanical Science and Engineering. F. W. McNair: "Some Problems Connected with Deep Mining in the Lake Superior Copper District."

Geology and Geography. William North Rice: "The Contributions of America to Geology."

Zoology. Henry B. Ward: "The Influence of Parasitism on the Host."

Anthropology. George Grant MacCurdy: "Some Phases of Prehistoric Archaeology."

Social and Economic Science. Irving Fisher: "Why Has the Doctrine of Laissez Faire Been Abandoned?"

Physiology and Experimental Medicine. William T. Sedgwick: "The Expansion of Physiology."

*The Chicago Meeting, Dec., 1907 - Jan., 1908. (Science 27. 1908)*¹

Mathematics and Astronomy. Edward Kasner: "Geometry and Mechanics." (Publication not known.)

Physics. Wallace C. Sabine: "Melody and the Origin of the Musical Scale."

Chemistry. Clifford Richardson: "A Plea for the Broader Education of the Chemical Engineer."

Geology and Geography. A. C. Lane: "The Early Surroundings of Life." *Science* 26.

Zoology. Edwin G. Conklin: "The Mechanism of Heredity."

Botany. D. T. MacDougal: "Heredity and Enviromic Forces."

Anthropology and Psychology. A. L. Kroeber: "The Anthropology of California."

Social and Economic Science. Charles A. Conant: "The Influence of Friction in Economics."

Physiology and Experimental Medicine. Simon Flexner: "Tendencies in Pathology."

Education. Elmer Ellsworth Brown: "The Outlook of the Section for Education."

The Baltimore Meeting, Dec., 1908 - Jan., 1909. (Science 29. 1909)

Mathematics and Astronomy. Edgar Odell Lovett: "The Problem of Several Bodies: Recent Progress in Its Solution."

Physics. Dayton C. Miller: "The Influence of the Material of Wind Instruments on the Tone Quality."

Chemistry. Henry P. Talbot: "Science Teaching as a Career."

Mechanical Science and Engineering. Olin H. Landreth: "Government Control of Public Waters." (No record of publication.)

¹ Unless otherwise stated, the addresses listed are printed in the indicated volumes of *Science*.

Geology and Geography. Joseph P. Iddings: "The Study of Igneous Rocks."

Zoology. Edmund B. Wilson: "Recent Researches on the Determination and Heredity of Sex."

Botany. Charles Edwin Bessey: "The Phyletic Idea in Taxonomy."

Anthropology and Psychology. Franz Boas: "Race Problems in America."

Social and Economic Science. John Franklin Crowell: "The Influence of Science upon the Progress of Investment."

Physiology and Experimental Medicine. Ludvig Hektoen: "Opsonins and Other Antibodies."

Education. Elmer Ellsworth Brown: "American Standards in Education and the World-Standard."

The Boston Meeting, Dec., 1909 - Jan., 1910. (Science 31. 1910)

Mathematics and Astronomy. Cassius J. Keyser: "The Thesis of Modern Logistic."

Physics. Karl Eugen Guthe: "Some Reforms Needed in the Teaching of Physics."

Chemistry. Louis Kahlenberg: "The Past and Future of the Study of Solutions."

Mechanical Science and Engineering. George F. Swain: "The Profession of Engineering and Its Relation to the American Association for the Advancement of Science."

Geology and Geography. Bailey Willis: "Principles of Paleogeography."

Zoology. C. Judson Herrick: "The Evolution of Intelligence and Its Organs."

Botany. Herbert M. Richards: "The Nature of Response to Chemical Stimulation."

Anthropology and Psychology. R. S. Woodworth: "Racial Differences in Mental Traits."

Social and Economic Science. Byron W. Holt: "The Gold Question." (Moody's magazine, 1910.)

Physiology and Experimental Medicine. William H. Howell: "Chemical Regulation in the Animal Body by Means of Activators, Kinases and Hormones."

Education. John Dewey: "Science as a Method of Thinking and as Information in Education."

STATISTICAL DATA

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1901	Denver	311	220	2703
1902	Pittsburgh	435	360	3474
1902-3	Washington	975	426	3992
1903-4	St. Louis	385	264	4005
1904-5	Philadelphia	890	224	4041
1905-6	New Orleans	233	211	4321
1906-7	New York	934	360	4498
1907-8	Chicago	725	458	5114
1908-9	Baltimore	1088	459	6136
1909-10	Boston	1140	404	7950

VIII. THE PERIOD FROM 1911 TO 1920

From the founding of the Association in 1848 until the year 1909 the Proceedings of its meetings were published in annual volumes. For many years the Proceedings contained all papers in full for which manuscripts were supplied to the permanent secretary. As the number of papers increased it became necessary to reduce reports of them to abstracts, except the addresses of retiring presidents. Beginning with 1908 the addresses of retiring presidents have been published in *Science* and have not been included in the Proceedings. Since 1910 both preliminary announcements and reports of the meetings have been published in *Science*, and copies of the issues of *Science* containing the reports have been sent to every member of the Association.

With the publication in *Science* of the addresses of the retiring presidents of the Association and of most of the vice presidents, and also of many other papers presented at the meetings, the importance of the Proceedings as a medium for the publication of addresses and papers declined. Thereafter the reports of the programs of the meetings were given only in condensed form. For example, the Proceedings for 1885, containing a report of the only (Philadelphia) meeting held that year, amounted to 736 pages; while the Proceedings for 1908 and 1909, including condensed reports of three meetings, namely, a special summer meeting in Hanover, N. H., in 1908, the annual meeting held in Baltimore, Dec., 1908 - Jan., 1909, and also the meeting held in Boston, in December, 1909, totaled only 686 pages.

As a consequence of these various factors, beginning with 1912 the Proceedings have been published only in summarized form, each volume covering a period of several years. The second Summarized Proceedings were published in 1915, the third in 1921, the fourth in 1925, the fifth in 1929, and the sixth in 1934.

In 1915 the Pacific Division of the Association was organized and held its first annual meeting at San Diego, Calif., in August, 1916. The Southwestern Division was organized in 1920.

ADDRESSES OF RETIRING PRESIDENTS

1910. David Starr Jordan (zoology): "The Making of a Darwin." *Science* 32: 929-942.

1911. Albert A. Michelson (physics): "Recent Progress in Spectroscopic Methods." *Science* 34: 893-902.

1912. Charles E. Bessey (botany): "Some of the Next Steps in Botanical Science." *Science* 37: 1-13.

1913. Edward C. Pickering (astronomy): "The Study of the Stars." *Science* 39: 1-9.

1914. Edmund B. Wilson (zoology): "Some Aspects of Progress in Modern Zoology." *Science* 41: 1-11.

1915. Charles W. Eliot (education): "The Fruits, Prospects and Lessons of Recent Biological Science." *Science* 42: 919-930.

1916. Wallace W. Campbell (astronomy): "The Nebulae." *Science* 45: 513-548.

1917. Charles R. Van Hise (geology): "Some Economic Aspects of the World War." *Science* 47: 1-10.

1918. Theodore W. Richards (chemistry): "The Problem of Radio-active Lead." *Science* 49: 1-11.

1919. John M. Coulter (botany): "The Evolution of Botanical Research." *Science* 51: 1-8.

1920. Simon Flexner (medicine): "Twenty-five Years of Bacteriology: A Fragment of Medical Research." *Science* 52: 615-632.

ADDRESSES OF RETIRING PRESIDENTS—THE PACIFIC DIVISION

1919. D. T. MacDougal (botany): "Growth in Organisms." *Science* 49: 599-605.

1920. John C. Merriam (paleontology): "The Research Spirit in Everyday Life of the Average Man." *Science* 52: 473-478.

STATISTICAL DATA

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1911	Washington	1306	860	8041
1912	Cleveland	720	813	8333
1913	Atlanta	394	443	8350
1914	Philadelphia	—	774	8325
1915	San Francisco	606	482	—
1915	Columbus	750	532	—
1916	New York	2100	1252	—
1917	Pittsburgh	692	546	—
1918	Baltimore	—	467	—
1919	St. Louis	—	824	11,442
1920	Chicago	2413	1011	11,547

IX. THE PERIOD FROM 1921 TO 1940

The decade following the World War was one of great expansion in science and in the membership of the Association. In 1921 a total of 41 national scientific societies and 12 state and local academies of science had become "affiliated" with the Association and had representation on its Council. In addition, there were 40 societies and organizations that had become "associated" societies, without representation on the Council. At the close of the fiscal year 1921 there were 11,547 members of the Association; by 1930 the membership had increased to 19,059. Following the industrial depression that began in 1930 there was a moderate recession in the activities of many scientific societies and in the membership of the Association, which had declined to 18,549 at the close of the fiscal year 1933. As of July 1, 1940, the membership of the Association was 21,150.

With the progressive subdivision of science into more specialized fields there were corresponding increases in the number of sections of the Association. A new constitution of the Association, adopted at the annual meeting for 1919-20, provided for 15 sections, all of which have been continuously active except the Section on Industrial Science (P).¹

In order to present conveniently, in groups, in one volume the titles of all the addresses of presidents of the Association from its founding in 1848 to 1940, and references to the places where they were published, they will be given here for the period from 1921 to 1940, although from 1921 to 1934 they are included in the Summarized Proceedings published in 1921, 1925, 1929, and 1934; and for the period 1934 to 1940 they appear in the following detailed reports of the activities of the Association for these years. The titles of the addresses of vice presidents for the period 1921 to 1934, having been given in earlier Summarized Proceedings, are not repeated here. But complete lists of the Sigma Xi, Phi Beta Kappa, Maiben and John Wesley Powell lectures are given.

At the April, 1925, meeting of the Executive Committee of the Association a contract was entered into between Dr. J. McKeen Cattell, owner and editor of *Science*, and the Association for the transfer, under certain conditions, of the absolute ownership of *Science* to the Association. This contract was superseded when, in December, 1938, Dr. J. McKeen Cattell and Josephine Owen Cattell executed an indenture transferring title of both *Science* and *The Scientific Monthly* to the Association, the terms of the transfer being defined by a simultaneous contract entered into between J. McKeen Cattell and Josephine Owen Cattell, parties of the first part, and the Association. This acquisition of title to *Science* and *The Scientific Monthly* may well prove to be one of the most important steps taken by the Association since its founding.

Science was established in 1883 by Alexander Graham Bell and Gardner G. Hubbard, following a short-lived weekly journal with the same title started by Thomas A. Edison in 1881. *Science* attained at the most a paid circulation of only about 2000 and continually had a deficit. In 1893 the Association voted it a subsidy of \$750. In spite of this assistance it suspended publication with the issue of March 23, 1894. At this juncture Dr. Cattell purchased *Science*, resumed its publication on January 4, 1895, and filled all unexpired subscriptions. This was the beginning of the "New Series," the issue of June 28, 1940, completing the 91st volume. After the first year under the ownership of Dr. Cattell, *Science* neither received nor sought any subsidies or gifts for its support. In 1900 *Science* became the official journal of the Association. Immediately thereafter both the membership of the Association and the circulation of *Science* rapidly increased.

The Scientific Monthly completed its 50th volume with the June, 1940, issue. During the entire period of the publication of these 50 volumes Dr. Cattell was owner and editor of the journal.

ADDRESSES OF RETIRING PRESIDENTS

1921. L. O. Howard (entomology): "On Some Presidential Addresses; The War Against the Insects." *Science* 54: 641-651.

1922. E. H. Moore (mathematics): "What Is a Number System?" (Not published.)

1923. J. Playfair McMurrich (anatomy): "A Retrospect." *Science* 58: 521-531.

1924. Charles D. Walcott (paleontology): "Science and Service." *Science* 61: 1-5.

1925. J. McKeen Cattell (psychology): "Some Psychological Experiments." *Science* 63: 1-8, 29-35.

1926. M. I. Pupin (engineering): "Fifty Years' Progress in Electrical Communications." *Science* 64: 631-638.

1927. L. H. Bailey (horticulture). (Retiring president ill and address not delivered.)

1928. Arthur A. Noyes (chemistry): "The Story of the Chemical Elements." *Science* 69: 19-27. 1929.

1929. Henry F. Osborn (paleontology): "The Discovery of Tertiary Man." *Science* 71: 1-7. 1930.

1930. Robert A. Millikan (physics): "Present Status of Theory and Experiment as to Atomic Disintegration and Atomic Synthesis." *Science* 73: 1-5. 1931.

1931. Thomas H. Morgan (zoology). (Retiring president ill and address not delivered.)

1932. Franz Boas (anthropology): "The Aims of Anthropological Research." *Science* 76: 605-613.

1933. John J. Abel (pharmacology): "On Poisons and Disease and Some Experiments with the Toxin of the *Bacillus Tetani*." *Science* 79: 63-70, 121-129.

1934. Henry Norris Russell (astronomy): "The Atmospheres of the Planets." *Science* 81: 1-9.

1935. Edward L. Thorndike (psychology): "Science and Values." *Science* 83: 1-8.

1936. Karl T. Compton (physics): "The Electron: Its Intellectual and Social Significance." *Science* 85: 27-37.

1937. Edwin G. Conklin (zoology): "Science and Ethics." *Science* 86: 595-603.

1938. George D. Birkhoff (mathematics): "Intuition, Reason and Faith in Science." *Science* 88: 601-609.

1939. Wesley C. Mitchell (economics): "The Public Relations of Science." *Science* 90: 599-607.

ADDRESSES OF RETIRING PRESIDENTS—THE PACIFIC DIVISION

1916. Wallace W. Campbell (astronomy): "What We Know About Comets." (No record of publication.)

1918. (Record not available.)

1919. D. T. MacDougal (botany): "Growth of Organisms." *Science* 49: 599-605.

1920. John C. Merriam (paleontology): "The Research Spirit in Everyday Life of the Average Man." *Science* 52: 473-478.

1921. William E. Ritter (zoology): "Scientific Idealism." *The Scientific Monthly* 13: 328-341.

1922. Barton W. Everman (biology): "The Conservation and Proper Utilization of Our Natural Resources." *The Scientific Monthly* 15: 289-312.

1923. E. P. Lewis (astronomy): "The Contributions of Astronomy to Civilization." *Science* 58: 405-412.

1924. David Starr Jordan (zoology): "Science and Sciosophy." *Science* 59: 563-569.

1925. C. E. Grunsky (engineering): "The Climate of the Ice Age." *Proc. Calif. Acad. Sci.* 4th Ser. 16: 53-85.

1926. Robert G. Aitken (astronomy): "The Solar System—Some Unsolved Problems." *Science* 64: 191-198.

1927. Arthur A. Noyes (chemistry): "The Periodic Relations of the Elements." *Proc. Nat. Acad. Sci.* 13: 737-743.

1928. C. A. Kofoed (zoology): "The Luminescence of the Sea." (No record of publication.)

1929. Walter S. Adams (astronomy): "The Astronomer's Measuring Rod." *Publications of Astronomical Society of the Pacific* 41: 195-211.
1930. Douglas H. Campbell (botany): "The Origin of Land Plants." *Science* 72: 177-187.
1931. T. Wayland Vaughan (geology, anthropology).
1932. A. O. Leuschner (astronomy): "The Astronomical Romance of Pluto." *Publications of the Astronomical Society of the Pacific* 44.
1933. W. F. Durand (engineering): "The Development of Our Knowledge of the Laws of Fluid Mechanics." *Science* 78: 343-351.
1934. Joel H. Hildebrand (chemistry): "The Liquid State." *Science* 80: 125-133.
1935. Bailey Willis (geology): "The Living Globe." *Science* 82: 427-433.
1936. Richard C. Tolman (physical chemistry): "The Present Status of Cosmology." *The Scientific Monthly* 43: 491-507; 44: 20-40.
1937. Herbert M. Evans (anatomy): "The Development of Our Knowledge of Anterior Pituitary Functions."
1938. J. S. Plaskett (astronomy): "Modern Conceptions of the Stellar System." *Popular Astronomy* 48, No. 5. 1939.
1939. S. J. Holmes (zoology): "Darwinian Ethics and Its Practical Applications." *Science* 90: 117-123. 1939.
1940. Lewis M. Terman (psychology): "Psychological Approaches to the Biography of Genius."

ADDRESSES OF RETIRING PRESIDENTS—THE SOUTHWESTERN DIVISION

1920. Edgar L. Hewett (archaeology): "The Southwest—Yesterday and Tomorrow." *Archaeol. Inst. of Am. New Ser.* 2: 1-8.
1922. A. E. Douglass (astronomy): "Some Aspects of the Use of the Annual Rings of Trees in Climatic Study." *The Scientific Monthly* 15: 1-21.
1923. (Record not available.)
1924. Byron Cummings (archaeology): "The Development of Prehistoric Pueblo Culture."
1925. Elliott C. Prentiss: "The Specific Immunity of the Tissues and Its Bearing on Treatment." *Science* 62: 91-95.
1926. T. D. A. Cockerell (zoology): "The Duty of Biology." *Science* 63: 367-371.
1927. A. L. Flagg (engineering): "The Search for Metals." (No record of publication.)
1929. Forrest Shreve (botany): "The Desert as a Dwelling Place."
1930. Francis Ramaley (botany): "Specialization in Science." *Science* 72: 325-326.

1932. John D. Clark (chemistry): "A Responsibility of the Scientist Toward Society."

1933. Charles T. Vorhies: "Snakes of the Southwest." (Not published.)

1934. O. C. Lester (physics): "Research: The Door to Tomorrow."

1935. D. S. Robbins (physics): "Science and Religion."

1936. Harold S. Colton (archaeology): "The Rise and Fall of the Pre-historic Population of Northern Arizona." *Science* 84: 337-343.

1937. None.

1938. F. E. E. Germann (chemistry): "The Occurrence of Carbon Dioxide, with Notes on the Origin and Relative Importance of Subterranean Carbon Dioxide." *Science* 87: 513-521.

1939. Edwin F. Carpenter (astronomy): "The Revolt Against Thought."

1940. J. R. Eyer (biology): "Responsibility of the Scientist in a Changing World Order."

STATISTICAL DATA—ANNUAL MEETINGS

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership at Sept. 30</i>
1921	Toronto	1832	813	11,547
1922	Boston	2339	1019	11,646
1923	Cincinnati	2211	1140	11,707
1924	Washington	4206	1781	12,887
1925	Kansas City	1931	985	14,263
1926	Philadelphia	3181	1449	14,366
1927	Nashville	1662	1141	14,862
1928	New York	3935	2200	16,328
1929	Des Moines	1880	1230	18,462
1930	Cleveland	2635	1830	19,059
1931	New Orleans	1447	1263	19,889
1932	Atlantic City	2666	1500	18,665
1933	Boston	2351	1500	18,549
1934	Pittsburgh	2823	1550	18,553
1935	St. Louis	2292	1200	18,102
1936	Atlantic City	2375	1450	18,242
1937	Indianapolis	3094	1681	18,776
1938	Richmond	2553	1706	19,059
1939	Columbus	2715	2154	20,195

STATISTICAL DATA—THE PACIFIC DIVISION

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1916	San Diego	120	—	—
1917	No meeting	—	—	—
1918	Stanford University	—	—	—
1919	Pasadena	—	—	—
1920	Seattle	—	—	—
1921	Berkeley	—	—	—
1922	Salt Lake City ¹	400	—	—

¹ Joint meeting of the Pacific Division and the Association.

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1923	Los Angeles	558	231	1135
1924	Palo Alto	377	185	1342
1925	Portland, Ore.	254	221	1498
1926	Mills College, Calif.	402	235	1471
1927	Reno, Nevada	182	174	1550
1928	Pomona, Calif. ¹	483	266	1802
1929	Berkeley	521	89	1997
1930	Eugene, Ore.	456	233	1997
1931	Pasadena	1193	580	2011
1932	Pullman, Wash.	519	222	1922
1933	Salt Lake City	268	162	1743
1934	Berkeley	1164	863	1856
1935	Los Angeles	779	383	1971
1936	Seattle	779	449	2004
1937	Denver ²	763	575	2023
1938	San Diego	832	312	2096
1939	Stanford University	—	—	2157

¹ Joint meeting of the Pacific Division and the Southwestern Division.

² Joint meeting of the Association, the Pacific Division and the Southwestern Division.

STATISTICAL DATA—THE SOUTHWESTERN DIVISION

<i>Year</i>	<i>Meeting Place</i>	<i>Registration</i>	<i>Papers Read</i>	<i>Membership</i>
1920	El Paso	71	36	—
1922	Tucson	112	—	—
1922	Santa Fe	122	35	—
1923	Los Angeles ¹	558	231	—
1924	El Paso	90	—	—
1925	Boulder	153	39	—
1926	Phoenix	214	130	—
1927	Santa Fe	73	55	253
1928	Flagstaff	72	87	286
1929	Albuquerque	103	104	337
1930	Tucson	—	121	331
1931	No meeting	—	—	339
1932	Denver	—	98	316
1933	Las Cruces	—	136	296
1934	Lubbock	—	82	258
1935	Santa Fe	220	142	277
1936	Flagstaff	160	116	323
1937	Denver ²	763	575	342
1938	Albuquerque	113	110	410
1939	Alpine-Mt. Locke ³	—	112	366
1940	Tucson	165	153	366

¹ Joint meeting with Pacific Division.

² Joint meeting with the Association and the Pacific Division.

³ Joint meeting with American Astronomical Society at dedication of the McDonald Observatory at Mt. Locke, Texas.

ANNUAL SIGMA XI LECTURES

Each year since 1922 a lecture has been delivered at the annual meeting of the Association under the joint auspices of the Association and the Society of the Sigma Xi. The Association sets aside an evening for these lectures which are designated as General Sessions. The Society of the Sigma Xi selects the lecturer.

Each of these lectures has been published in the issue of the Sigma Xi Quarterly next following the date of its delivery. Since the lectures have been delivered late in December, they have been published in the early months of the following year. The following is the complete list of the lecturers and the titles of their addresses from 1922 to 1939, inclusive:

- 1922. Livingston Farrand: "The Nation and Its Health."
- 1923. Willis R. Whitney: "The Vacuum—There's Something in It."
- 1924. Frederick F. Russell: "War on Disease, Particularly Yellow Fever and Malaria."
- 1925. F. D. Farrell: "A Desert Becomes a Garden."
- 1926. Herbert C. Hoover: "The Nation and Science."
- 1927. Clarence Cook Little: "Opportunities for Research in Mammalian Genetics."
- 1928. Arthur Compton: "What Is Light?"
- 1929. George Howard Parker: "Some Aspects of Human Biology."
- 1930. C. E. K. Mees: "The Science of Photography."
- 1931. C. F. Hirshfeld: "Whose Fault?"
- 1932. Harlow Shapley: "Fact and Fancy in Cosmogony."
- 1933. Henry E. Sigerist: "The Foundation of Anatomy in the Renaissance."
- 1934. Earnest A. Hooton: "Homo Sapiens, Whence and Whither."
- 1935. John Bellamy Taylor: "The Human Eye and the Electric Eye."
- 1936. Henry G. Knight: "Selenium."
- 1937. Irving Langmuir: "The Biological Applications of Surface Chemistry."
- 1938. W. F. Durand: "Modern Trends in Air Transport."
- 1939. Kirtley F. Mather: "The Future of Man as an Inhabitant of the Earth."

ANNUAL PHI BETA KAPPA LECTURES

Each year since 1935, at the annual meeting of the Association, a lecture has been delivered under the auspices of the United Chapters of Phi Beta Kappa. The lecturers and the titles of their addresses from 1935 to 1939, inclusive, are as follows:

- 1935. William Allan Neilson: "The American Scholar Today." The American Scholar 1936, spring.

1936. James Rowland Angell: "The Scholar and the Specialist." *The American Scholar* 1937, summer.

1937. George Lyman Kittredge: "Shakespeare and the Critics." To appear in a book.

1938. Frank Pierrepont Graves: "Is Education a Science." *School and Society*.

1939. Marjorie Hope Nicolson: "Science and Literature."

ANNUAL MAIBEN LECTURES

The Maiben Lectures were established in 1932 in memory of Hector E. Maiben, for most of his life a farmer near Lincoln, Nebraska, who was for ten years a sustaining member of the Association and who left his entire estate to the Association upon his death. The Maiben lecturers and their subjects have been as follows:

1932. Henry Norris Russell: "The Constitution of the Stars." *Science* 77: 65-79.

1933. William Morris Davis: "The Faith of Reverent Science." *The Scientific Monthly* 38: 36. 1933.

1934. L. Dudley Stamp: "Planning the Land of the Future." *Science* 80: 507-512.

1935. Richard P. Strong: "The Importance of Ecology in Tropical Diseases." *Science* 82: 307-317.

1936. Charles Camsell: "A 4000 Mile Flight over Northwestern Canada in August, 1935." (No record of publication.)

1937. Nevil V. Sidgwick: "Molecules." *Science* 86: 335-340.

1938. Robert C. Wallace: "The Changing Values of Science." *Science* 88: 265-271.

1939. Victor G. Heiser: "The Influence of Nutrition on the Diseases of Middle and Old Age." *The Scientific Monthly* 49: 304-310.

1940. Edwin P. Hubble: "Problems in Nebular Research."

THE JOHN WESLEY POWELL LECTURES

In 1929 the Southwestern Division inaugurated the John Wesley Powell Memorial Lectures in honor of a distinguished geologist and the leader of the first expedition that descended the Colorado River through the Grand Canyon. The lecturers and the titles of their addresses have been as follows:

1929. William Morris Davis, Harvard University.

1930. Rodney H. True, University of Pennsylvania.

1932. Max Pinner, Desert Sanatorium of Southern Arizona: "Fifty Years of the Tubercle Bacillus."

1933. Aldo Leopold, University of Wisconsin: "The Conservation Ethic."

1934. Otto Struve, The University of Chicago: "The Galaxy."

1935. Edgar L. Hewett, President of the Schools of American Research and Director of the Museum of New Mexico: "The Social Sciences in the Program of Education."

1936. John C. Merriam, President of the Carnegie Institution of Washington: "The Wilderness as a Teacher, Preacher, and Companion. A Study of the Contribution made by a Great National Park."

1937. A. E. Douglass, University of Arizona: "Tree-rings and Chronology."

1938. E. R. Hedrick, Provost of University of California, Los Angeles: "Relations of Science to Economics and to War."

1939. A. H. Compton, The University of Chicago: "Physics Views the Future."

MEETINGS, 1848-1940

MEETINGS OF THE ASSOCIATION

- | | |
|---|---|
| 1. Philadelphia .....Sept., 1848 | 30. Cincinnati .....Aug., 1881 |
| 2. Cambridge .....Aug., 1849 | 31. Montreal .....Aug., 1882 |
| 3. Charleston (S. Car.) .....Mar., 1850 | 32. Minneapolis .....Aug., 1883 |
| 4. New Haven .....Aug., 1850 | 33. Philadelphia .....Sept., 1884 |
| 5. Cincinnati .....May, 1851 | 34. Ann Arbor .....Aug., 1885 |
| 6. Albany .....Aug., 1851 | 35. Buffalo .....Aug., 1886 |
| (No meeting in 1852) | 36. New York .....Aug., 1887 |
| 7. Cleveland .....July, 1853 | 37. Cleveland .....Aug., 1888 |
| 8. Washington .....May, 1854 | 38. Toronto .....Aug., 1889 |
| 9. Providence .....Aug., 1855 | 39. Indianapolis .....Aug., 1890 |
| 10. Albany .....Aug., 1856 | 40. Washington .....Aug., 1891 |
| 11. Montreal .....Aug., 1857 | 41. Rochester .....Aug., 1892 |
| 12. Baltimore .....May, 1858 | 42. Madison .....Aug., 1893 |
| 13. Springfield (Mass.) .....Aug., 1859 | 43. Brooklyn .....Aug., 1894 |
| 14. Newport .....Aug., 1860 | 44. Springfield (Mass.) Aug.-Sept., 1895 |
| (No meetings 1861-1865) | 45. Buffalo .....Aug., 1896 |
| 15. Buffalo .....Aug., 1866 | 46. Detroit .....Aug., 1897 |
| 16. Burlington (Vt.) .....Aug., 1867 | 47. Boston .....Aug., 1898 |
| 17. Chicago .....Aug., 1868 | 48. Columbus .....Aug., 1899 |
| 18. Salem (Mass.) .....Aug., 1869 | 49. New York .....June, 1900 |
| 19. Troy .....Aug., 1870 | 50. Denver .....Aug., 1901 |
| 20. Indianapolis .....Aug., 1871 | 51. Pittsburgh .....June-July, 1902 |
| 21. Dubuque .....Aug., 1872 | 52. Washington ....Dec., 1902-Jan., 1903 |
| 22. Portland (Maine) .....Aug., 1873 | 53. St. Louis .....Dec., 1903-Jan., 1904 |
| 23. Hartford .....Aug., 1874 | 54. Philadelphia .....Dec., 1904 |
| 24. Detroit .....Aug., 1875 | 55. New Orleans ....Dec., 1905-Jan., 1906 |
| 25. Buffalo .....Aug., 1876 | 56. Ithaca .....June-July, 1906 |
| 26. Nashville .....Aug., 1877 | 57. New York .....Dec., 1906-Jan., 1907 |
| 27. St. Louis .....Aug., 1878 | 58. Chicago .....Dec., 1907-Jan., 1908 |
| 28. Saratoga Springs .....Aug., 1879 | 59. Hanover (N. H.) ....June-July, 1908 |
| 29. BostonAug., 1880 | 60. BaltimoreDec., 1908-Jan., 1909 |

MEETINGS OF THE ASSOCIATION, CONTINUED

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|--|--|
| 61. BostonDec., 1909-Jan., 1910 | 84. NashvilleDec., 1927 |
| 62. MinneapolisDec., 1910 | 85. New YorkDec., 1928-Jan., 1929 |
| 63. Washington .....Dec., 1911 | 86. Des Moines ....Dec., 1929-Jan., 1930 |
| 64. ClevelandDec., 1912-Jan., 1913 | 87. Cleveland .....Dec., 1930-Jan., 1931 |
| 65. Atlanta .....Dec., 1913-Jan., 1914 | 88. Pasadena .....June, 1931 |
| 66. Philadelphia ...Dec., 1914-Jan., 1915 | 89. New Orleans ..Dec., 1931-Jan., 1932 |
| 67. San Francisco .....Aug., 1915 | 90. Syracuse .....June, 1932 |
| 68. Columbus .....Dec., 1915-Jan., 1916 | 91. Atlantic City .....Dec., 1932 |
| 69. New York .....Dec., 1916 | 92. Chicago .....June, 1933 |
| 70. Pittsburgh ....Dec., 1917-Jan., 1918 | 93. Boston .....Dec., 1933-Jan., 1934 |
| 71. Baltimore .....Dec., 1918 | 94. Berkeley .....June, 1934 |
| 72. St. Louis .....Dec., 1919-Jan., 1920 | 95. Pittsburgh ....Dec., 1934-Jan., 1935 |
| 73. Chicago .....Dec., 1920-Jan., 1921 | 96. Minneapolis .....June, 1935 |
| 74. Toronto .....Dec., 1921 | 97. St. Louis .....Dec., 1935-Jan., 1936 |
| 75. Salt Lake City.....June, 1922 | 98. Rochester .....June, 1936 |
| 76. Boston .....Dec., 1922 | 99. Atlantic City .Dec., 1936-Jan., 1937 |
| 77. Los Angeles .....Sept., 1923 | 100. Denver .....June, 1937 |
| 78. Cincinnati ....Dec., 1923-Jan., 1924 | 101. Indianapolis ...Dec., 1937-Jan., 1938 |
| 79. Washington ....Dec., 1924-Jan., 1925 | 102. Ottawa .....June, 1938 |
| 80. Boulder (Colo.) .....June, 1925 | 103. Richmond (Va.) .....Dec., 1938 |
| 81. Portland (Oregon) .....June, 1925 | 104. Milwaukee .....June, 1939 |
| 82. Kansas City ....Dec., 1925-Jan., 1926 | 105. Columbus .....Dec., 1939-Jan., 1940 |
| 83. Philadelphia ...Dec., 1926-Jan., 1927 | 106. Seattle .....June, 1940 |

MEETINGS OF THE PACIFIC DIVISION

- | | |
|---|---|
| 1. San Diego .....Aug., 1916 | 13. Berkeley .....June, 1929 |
| 2. Stanford University .....June, 1918 | 14. Eugene, Ore .....June, 1930 |
| 3. Pasadena .....June, 1919 | 15. Pasadena .....June, 1931 |
| 4. Seattle .....June, 1920 | 16. Pullman, Wash. ....June, 1932 |
| 5. Berkeley .....Aug., 1921 | 17. Salt Lake City.....June, 1933 |
| 6. Salt Lake City.....June, 1922 | 18. Berkeley .....June, 1934 |
| 7. Los Angeles .....Sept., 1923 | 19. Los Angeles .....June, 1935 |
| 8. Palo Alto .....June, 1924 | 20. Seattle .....June, 1936 |
| 9. Portland, Oregon .....June, 1925 | 21. Denver .....June, 1937 |
| 10. Mills College, Calif.....June, 1926 | 22. San Diego .....June, 1938 |
| 11. Reno, Nevada .....June, 1927 | 23. Stanford University .....June, 1939 |
| 12. Pomona, Calif.June, 1928 | 24. SeattleJune, 1940 |

MEETINGS OF THE SOUTHWESTERN DIVISION

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|----------------------------------|--|
| 1. El PasoDec., 1920 | 11. TucsonApril, 1930 |
| 2. TucsonJan., 1922 | 12. DenverApril, 1932 |
| 3. Santa Fe .....Sept., 1922 | 13. Las Cruces .....May, 1933 |
| 4. Los Angeles .....Sept., 1923 | 14. Lubbock ....April, 1934 |
| 5. El Paso .....May, 1924 | 15. Santa Fe .....April-May, 1935 |
| 6. Boulder .....June, 1925 | 16. Flagstaff-Grand Canyon ..April, 1936 |
| 7. Phoenix .....Feb., 1926 | 17. Denver .....June, 1937 |
| 8. Santa Fe .....April, 1927 | 18. Albuquerque .....April, 1938 |
| 9. Flagstaff .....April, 1928 | 19. Alpine-Mt. Locke.....May, 1939 |
| 10. Albuquerque .....April, 1929 | 20. Tucson .....April, 1940 |

GENERAL OFFICERS, 1848-1940

ROLL OF THE PRESIDENTS

*William B. Rogers (<i>geology</i>) (<i>Acting until the election of President Redfield</i>)	*Wolcott Gibbs (<i>chemistry</i>).....1897
*W. C. Redfield (<i>geology</i>).....1848	*F. W. Putnam (<i>anthropology</i>).....1898
*Joseph Henry (<i>physics</i>).....1849	*Edward Orton (<i>geology</i>).....1899
*A. D. Bache (<i>geography</i>).....1850	*R. S. Woodward (<i>mathematics</i>).....1900
*Louis Agassiz (<i>zoology</i>).....1851	*C. S. Minot (<i>medicine</i>).....1901
(No meeting in 1852)	*Asaph Hall (<i>astronomy</i>).....
*Benjamin Peirce (<i>physics</i>).....1853	.....(first meeting) 1902
*James D. Dana (<i>anthropology</i>).....1854	*Ira Remsen (<i>chemistry</i>).....
*John Torrey (<i>botany</i>).....1855	.....(second meeting) 1902
*James Hall (<i>geology</i>).....1856	*Carroll D. Wright (<i>economics</i>).....1903
*J. W. Bailey (<i>chemistry</i>).....1857	*W. G. Farlow (<i>botany</i>).....1904
*Jeffries Wyman (<i>medicine</i>).....1858	*C. M. Woodward (<i>mathematics</i>).....1905
*Stephen Alexander (<i>astronomy</i>).....1859	*Wm. H. Welch (<i>medicine</i>).....1906
*Isaac Lea (<i>geology</i>).....1860	*E. L. Nichols (<i>physics</i>).....1907
(No meetings 1861-1865 and no presidents)	*T. C. Chamberlin (<i>geology</i>).....1908
*F. A. P. Barnard (<i>astronomy</i>).....1866	*David S. Jordan (<i>biology</i>).....1909
*J. S. Newberry (<i>geology</i>).....1867	*A. A. Michelson (<i>physics</i>).....1910
*B. A. Gould (<i>astronomy</i>).....1868	*Charles E. Bessey (<i>botany</i>).....1911
*J. W. Foster (<i>geography</i>).....1869	*E. C. Pickering (<i>astronomy</i>).....1912
*Wm. Chauvenet (<i>mathematics</i>).....1870	*Edmund B. Wilson (<i>zoology</i>).....1913
*Asa Gray (<i>botany</i>).....1871	*Charles W. Eliot (<i>education</i>).....1914
*J. Lawrence Smith (<i>chemistry</i>).....1872	*W. W. Campbell (<i>astronomy</i>).....1915
*Joseph Lovering (<i>physics</i>).....1873	*Charles Richard Van Hise (<i>geology</i>).....1916
*J. L. LeConte (<i>entomology</i>).....1874	*Theodore W. Richards (<i>chemistry</i>).....1917
*J. E. Hilgard (<i>geography</i>).....1875	*John Merle Coulter (<i>botany</i>).....1918
*William B. Rogers (<i>geology</i>).....1876	Simon Flexner (<i>medicine</i>).....1919
*Simon Newcomb (<i>astronomy</i>).....1877	L. O. Howard (<i>entomology</i>).....1920
*O. C. Marsh (<i>geology</i>).....1878	*E. H. Moore (<i>mathematics</i>).....1921
*G. F. Barker (<i>chemistry</i>).....1879	*J. Playfair McMurrich (<i>anatomy</i>).....1922
*Lewis H. Morgan (<i>anthropology</i>).....1880	*Charles D. Walcott (<i>paleontology</i>).....1923
*G. J. Brush (<i>geology</i>).....1881	J. McKeen Cattell (<i>psychology</i>).....1924
*J. W. Dawson (<i>geology</i>).....1882	*Michael I. Pupin (<i>engineering</i>).....1925
*C. A. Young (<i>astronomy</i>).....1883	L. H. Bailey (<i>horticulture</i>).....1926
*J. P. Lesley (<i>geology</i>).....1884	*Arthur A. Noyes (<i>chemistry</i>).....1927
*H. A. Newton (<i>mathematics</i>).....1885	*Henry Fairfield Osborn (<i>paleontology</i>)
*Edward S. Morse (<i>zoology</i>).....1886	.....1928
*S. P. Langley (<i>physics</i>).....1887	Robert A. Millikan (<i>physics</i>).....1929
*J. W. Powell (<i>geology</i>).....1888	Thomas H. Morgan (<i>zoology</i>).....1930
*T. C. Mendenhall (<i>physics</i>).....1889	Franz Boas (<i>anthropology</i>).....1931
*G. Lincoln Goodale (<i>botany</i>).....1890	*John J. Abel (<i>pharmacology</i>).....1932
*Albert B. Prescott (<i>chemistry</i>).....1891	Henry N. Russell (<i>astronomy</i>).....1933
*Joseph LeConte (<i>geology</i>).....1892	Edward L. Thorndike (<i>psychology</i>).....1934
*William Harkness (<i>astronomy</i>).....1893	Karl T. Compton (<i>physics</i>).....1935
*Daniel G. Brinton (<i>anthropology</i>).....1894	Edwin G. Conklin (<i>biology</i>).....1936
*E. W. Morley (<i>chemistry</i>).....1895	George D. Birkhoff (<i>mathematics</i>).....1937
*Edward D. Cope (<i>zoology</i>).....1896	Wesley C. Mitchell (<i>economics</i>).....1938
*Theodore Gill (<i>zoology</i>) (<i>successor to Edward D. Cope, deceased.</i>)	Walter B. Cannon (<i>physiology</i>).....1939
	Albert F. Blakeslee (<i>genetics</i>).....1940

Asterisk denotes person is deceased.

PERMANENT SECRETARIES

*Spencer F. Baird.....	1851-54
*Joseph Lovering	1854-68
*F. W. Putnam.....	1869
*Joseph Lovering	1870-73
*F. W. Putnam.....	1873-98
L. O. Howard.....	1898-1920
Burton E. Livingston.....	1920-30
Charles F. Roos.....	1931-32
Henry B. Ward.....	1933-37
F. R. Moulton.....	1937-

GENERAL SECRETARIES

*Edward L. Nichols.....	1920
D. T. MacDougal.....	1921-24
W. J. Humphreys.....	1925-28
Frank R. Lillie.....	1929-30
Burton E. Livingston.....	1931-34
Otis W. Caldwell.....	1935-

DIRECTOR OF PRESS SERVICE

Austin H. Clark.....	1926-37
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ASSISTANT SECRETARIES

F. S. Hazard.....	1912-20
Sam Woodley ¹	1920-

TREASURERS

*R. S. Woodward.....	1920-24
John L. Wirt.....	1925-

DIRECTORS OF EXHIBITS

H. S. Kimberly.....	1925-30
F. C. Brown.....	1931-37
Owen Cattell	1938-39

AUDITORS

Herbert A. Gill	1920-21
R. B. Sosman.....	1922-28
A. G. McCall.....	1929-31
W. J. Humphreys	1932-

¹ Executive Assistant, 1920-1939.

ARTICLES OF INCORPORATION
CONSTITUTION AND BY-LAWS
AND THE PRESENT
ORGANIZATION AND OPERATION
OF THE
AMERICAN ASSOCIATION
FOR THE ADVANCEMENT OF SCIENCE

ARTICLES OF INCORPORATION
OF THE
AMERICAN ASSOCIATION FOR THE ADVANCEMENT
OF SCIENCE

COMMONWEALTH OF MASSACHUSETTS

In the Year One Thousand Eight Hundred and Seventy-Four

AN ACT

To Incorporate the "American Association for the Advancement of Science"

Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :

Section 1. Joseph Henry of Washington, Benjamin Peirce of Cambridge, James D. Dana of New Haven, James Hall of Albany, Alexis Caswell of Providence, Stephen Alexander of Princeton, Isaac Lea of Philadelphia, F. A. P. Barnard of New York, John S. Newberry of Cleveland, B. A. Gould of Cambridge, T. Sterry Hunt of Boston, Asa Gray of Cambridge, J. Lawrence Smith of Louisville, Joseph Lovering of Cambridge, and John LeConte of Philadelphia, their associates, the officers and members of the Association known as the "American Association for the Advancement of Science," and their successors are hereby made a corporation by the name of the "American Association for the Advancement of Science," for the purpose of receiving, purchasing, holding, and conveying real and personal property, which it now is, or hereafter may be possessed of, with all the powers and privileges, and subject to the restrictions, duties and liabilities set forth in the general laws which now or hereafter may be in force and applicable to such corporations.

Section 2. Said corporation may have and hold by purchase, grant, gift, or otherwise, real estate not exceeding two hundred and fifty thousand dollars in value, and personal estate in any amount.*

Section 3. Any two of the corporators above named are hereby authorized to call the first meeting of the said corporation in the month of August next ensuing, by notice thereof "by mail," to each member of the said Association.

Section 4. This act shall take effect upon its passage.

In Senate, March 17, 1874.

Passed to be enacted,

GEO. B. LORING, President,

Secretary's Department,

Boston, April 3, 1874.

A true copy, Attest :

David Pulsifer,

Deputy Secretary of the Commonwealth.

House of Representatives, March 10, 1874.

Passed to be enacted,

John E. Sanford, Speaker,

March 19, 1874.

Approved,

W. B. WASHBURN.

*In accordance with amendment by Special Act of Massachusetts Legislature, Chapter 238, approved March 30, 1915.

THE CONSTITUTION OF THE ASSOCIATION

(Adopted at the Third St. Louis Meeting, December 29, 1919, to January 3, 1920¹)

ARTICLE 1—OBJECTS

The objects of the Association are to promote intercourse among those who are cultivating science in different parts of America, to cooperate with other scientific societies and institutions, to give a stronger and more general impulse and more systematic direction to scientific research, and to procure for the labors of scientific men increased facilities and a wider usefulness.

ARTICLE 2—MEMBERSHIP

Persons willing to cooperate in the work of the Association may be elected to be members by the Council. Members who are professionally engaged in scientific work or who have advanced science by research may be elected to be fellows. *The Council shall fix the admission fees and dues (Dec. 27, 1934).* A member who pays at one time the sum of one hundred dollars to the Association becomes a life member and is exempt from further dues. A person who gives one thousand dollars to the Association may be elected to be a sustaining member and is exempt from further dues.

ARTICLE 3—OFFICERS

The officers of the Association shall be elected by ballot by the Council, and shall consist of a President, a Vice President from each section, a Permanent Secretary, a General Secretary, a Treasurer and a Secretary of each Section. The President and the Vice Presidents shall be elected for one year, the other officers for four years. The officers shall perform the usual duties of these offices, under the direction of the Council.

ARTICLE 4—COUNCIL

The Council shall consist of the President, the Vice Presidents, the Permanent Secretary, the General Secretary, the Secretaries of the Sections, and the Treasurer, *the members of the Executive Committee, ex officio, if they are not otherwise members of the Council (Dec. 27, 1923),* of one fellow elected by each *division, affiliated state academy, and (Dec. 27, 1932) affiliated society,* and one additional fellow from each affiliated society having more than 100 members who are fellows of the Association, and of eight fellows, two elected annually by the Council for a term of four years. There shall be an Executive Committee of the Council, consisting of the President, the Permanent Secretary, the General Secretary, and eight members elected by the Council, two annually for a term of four years, who shall be *ex officio* members of the Council. The Council may appoint standing or temporary committees to make reports, to assist in the conduct of the work of the Association and to promote its objects.

ARTICLE 5—SECTIONS

The Association shall be divided into the following Sections: A, Mathematics; B, Physics; C, Chemistry; D, Astronomy; E, Geology and Geography; F, Zoological

¹ There have been several minor amendments to the Constitution since 1920. The parts that have been amended are printed, as amended, in italics followed by the dates of the amendments in parentheses.

Sciences; G, Botanical Sciences; H, Anthropology; I, Psychology; K, Social and Economic Sciences; L, Historical and Philological Sciences; M, Engineering; N, Medical Sciences; O, Agriculture; P, *Industrial Science* (Dec. 28, 1936); Q, Education. Members of the Association shall be members of that Section or of those Sections under which their work or their interests fall. Members of the Section shall nominate to the Council a Chairman, who becomes *ex officio* a Vice President of the Association and whose term of office shall be one year, and a Secretary, whose term of office shall be four years. These officers, together with four fellows, one elected annually by the Section for a term of four years, and the representatives on the Council of affiliated societies in the same field shall form a Sectional Committee. This Committee shall arrange the scientific programs of the meetings and may form sub-sections or hold joint meetings with other sections or other societies. It may appoint committees and shall in all ways promote the objects of the Association within its own field.

ARTICLE 6—DIVISIONS AND BRANCHES

Regional Divisions and Local Branches of the Association may be formed by vote of the Council. Such Divisions and Branches may elect officers, hold meetings, appoint committees, enter into relations with other societies and promote within their fields the objects of the Association.

ARTICLE 7—ASSOCIATED AND AFFILIATED SOCIETIES

National and local scientific societies may, by vote of the Council, become associated with the Association. Those Associated Societies which the Council shall designate as Affiliated Societies shall be represented on the Council and on the Sectional Committees as provided in Articles 4 and 5.

ARTICLE 8—MEETINGS

The Association shall hold an annual meeting at such time and place as may be determined by the Council. Other meetings of the Association and of the Sections may be authorized by the Council. The Divisions and the Branches may hold annual and other meetings.

ARTICLE 9—PROCEEDINGS

The proceedings of the Association and the list of officers and members shall be published in such manner as the Council may direct.

ARTICLE 10—FUNDS

The Permanent Secretary shall collect the annual dues and make expenditures as directed by the Council. The Treasurer shall deposit or invest the permanent funds of the Association, as provided for trust funds by the laws of the state of Massachusetts or the state of New York. Bequests and gifts will be administered in accordance with the provisions of the donors. The payments from sustaining and life members form part of the permanent fund, and the income (after the death of the member) shall be used for research, unless otherwise directed by unanimous vote of the Council or by a majority vote at two consecutive annual meetings.

ARTICLE 11—ALTERATION OF THE CONSTITUTION

This Constitution may be amended at a general session by unanimous vote or by a majority vote at two consecutive annual meetings.

BY-LAWS AND RULES OF PROCEDURE OF THE
ASSOCIATION

(Adopted at the Third St. Louis Meeting, December 29, 1919, to January 3, 1920,
and in force since January 3, 1920¹)

ARTICLE I

The Association is American, its field covering North, Central and South America. Inhabitants of any country are eligible to membership.

ARTICLE II

Section 1. An incorporated scientific society or institution or a public or incorporated library may become a member by vote of the Council.

Section 2. Associates, on payment of five dollars, may be admitted to the privileges of a meeting, except voting.

Section 3. Foreign associates may be admitted without fee to the privileges of a meeting, except voting.

Section 4. *Members who have paid annual dues for fifty years may be excused from further payments and still retain all the privileges of active membership. (April 14, 1935).*

Section 5. *Members may be elected by the Council to be fellows of the Association and members so elected shall remain fellows only so long as they retain membership. If a fellow discontinues his membership and subsequently rejoins the Association he shall automatically again become a fellow from the time of rejoining, without another election. Members are eligible to nomination for fellowship if they have contributed to the advancement of science either by the publication of original research or in other significant manner. Nominations for election to fellowship may be made by any three fellows, by the Permanent Secretary or by any Section Secretary, but before being submitted to the Council every nomination shall have been first approved by the section committee in whose field the nominees' scientific work mainly lies. (Dec. 27, 1929).*

Section 6. The Council may exclude from the Association any one who has made improper use of his membership or whose membership is regarded as detrimental to the Association.

ARTICLE III

Section 1. The Permanent Secretary, the General Secretary, the Permanent Chairman of the Finance Committee, the Treasurer of the Association and the Secretaries of the Sections shall be elected at the larger convocation week meetings held once in four years beginning the last week of the year 1916. Vacancies in these offices shall be filled by the Council.

Section 2. The President of the Association shall give an address at a general session of the Association at the annual meeting following that over which he presided.

Section 3. The Vice-Presidents shall hold seniority in the order of their continuous membership in the Association.

Section 4. The Permanent Secretary shall attend to the business of the Association, the arrangements for the meetings and such other matters as the Council may designate. He may employ, with the approval of the Council, an Assistant Secretary. The salary of the Permanent Secretary shall be determined by the Council.

¹ There have been several minor amendments to the By-Laws since 1929. The parts that have been amended are printed, as amended, in italics followed by the dates of the amendments in parentheses.

Section 5. The General Secretary shall attend to matters connected with the organization of the Association, its relations to the affiliated societies and such other matters as the Council may designate. He shall receive such compensation as may be determined by the Council.

Section 6. The Permanent Secretary, the General Secretary and the Treasurer shall present annually to the Council an account of the funds in their charge. These accounts shall be audited by an Auditor elected by the Council. There shall be a Finance Committee of five, including the Permanent Chairman, the Treasurer and three other members elected one each year for a period of three years. The Finance Committee shall give advice in regard to the investment of the funds of the Association. *The Treasurer shall administer bequests and gifts in accordance with the provisions of the donor; and shall sell such securities and properties of the Association and buy such securities and properties for the Association with the permanent funds of the Association and exchange such securities and properties of the Association for such securities and properties as the Finance Committee shall direct by formal vote recorded in its minutes (April 21, 1940).* The Treasurer and the Permanent Secretary and General Secretary shall each present a budget to the Council at the annual meeting.

ARTICLE IV

Section 1. *The Executive Committee shall have full power to act for the Council when the Council is not in session (Dec. 28, 1925).*

Section 2. There shall be a Committee on Grants, appointed by the President, with the advice of the Council, consisting of eight members, two appointed annually for a period of four years, which shall award for scientific research such part of the income from the permanent and special funds of the Association as may be appropriated for that purpose by the Council.

Section 3. The following standing committees are authorized: Committee of One Hundred on Scientific Research; Committee on the Jane M. Smith Life Membership Fund.

Section 4. A local committee shall be organized by the members resident in the place where a meeting of the Association is held. This committee may appoint an executive committee and other committees and shall make arrangements for the meeting, in cooperation with the Permanent Secretary and the other officers of the Association.

ARTICLE V

Section 1. The Sectional Committees shall arrange for each annual meeting a program of general scientific interest, occupying usually one or two sessions. The section shall not hold sessions for the reading of special papers when the affiliated society in the same field meets with the Association.

Section 2. No member shall take part in the organization or hold office in more than one section at any one meeting. Council representatives of affiliated organizations which are not specially related to any single section of the Association are members of the respective section committees to which their scientific interests are most closely related.

ARTICLE VI

Section 1. Regional divisions authorized by the Council have full control of their meetings, of their affiliations with other scientific organizations, and of all movements to promote the advancement and diffusion of science in their territory.

Section 2. The Pacific Division (organized in 1915) includes members resident in Alaska, British Columbia, Washington, Oregon, California, Idaho, Nevada, Utah, and

the Hawaiian Islands. The Pacific Division is allowed, for its expenses, the entrance fees of new members resident in its region and an additional annual allowance not to exceed one dollar for each of its members in good standing.

Section 3. The Southwestern Division (organized in 1920) includes members resident in Arizona, New Mexico, *Colorado* (*Dec. 26, 1922*), Sonora, Chihuahua and Texas west of the *100th meridian* (*June 21, 1937*). The Southwestern Division is allowed, for its expenses, the entrance fees of new members resident in its region and an additional annual allowance not to exceed one dollar for each of its members in good standing.

Section 4. Affiliated academies of science receive, for their expenses, an annual allowance not to exceed fifty cents for each of their members who is also a member in good standing of the American Association.

ARTICLE VII

Section 1. Affiliated societies having two representatives in the Council and in the Sectional Committees are: (see pages 66-69).

Section 2. Affiliated societies having one representative in the Council and in the Sectional Committees are: (see pages 66-69).

Section 3. Associated societies are: (see pages 69-70).

ARTICLE VIII

Section 1. A general session of the Association shall usually be held on the first evening of the meeting, and at this session the address of the retiring president shall be given. Other general sessions may be arranged by the Council.

Section 2. The Council shall ordinarily meet on the afternoon of the first day of the meeting. It may also meet at such other times as may be decided.

Section 3. The Sectional Committees shall ordinarily hold meetings on the morning of the first day of each annual meeting and may hold such other meetings as they may arrange.

Section 4. The Executive Committee shall meet on the day preceding the annual meeting and at such other times during the meeting as it may decide. It shall ordinarily hold meetings in the spring and in the autumn.

ARTICLE IX

Section 1. By arrangement with the publishers of *Science* this journal publishes the official notices and proceedings of the Association and is sent to all members in good standing, the sum of \$3 being paid to the publishers of the journal for each member. Members may by request receive *The Scientific Monthly* in place of *Science*. This arrangement may be cancelled by the Council of the Association or by the publishers of the journal, after one year's notice has been given by either party.

ARTICLE X

Section 1. The official year of the Association shall begin on October 1, and the dues of the members are payable on that date. Only members who have paid their dues shall enjoy the privileges of the meetings and receive publications of the Association, but those not longer than two years in arrears for dues are retained on the membership list. Members dropped from membership for non-payment of dues may have their names reinstated by payment of arrearages or may be reelected with payment of the entrance fee. Payment of the entrance fee is omitted for members of affiliated organizations who join the Association before the second annual meeting after the ratification of the affiliation, or before the second annual meeting after their admission to the affiliated organization.

Section 2. The Secretaries of the Sections receive, for their expenses incurred in attending the annual meetings, a *per diem* of four dollars for the time spent in travel and at meetings and regular railroad fares, including Pullman, to and from the meetings (April 24, 1938). Hotel rooms for their use at the annual meetings are provided by the Association.

Section 3. Members of the Executive Committee receive, for their expenses incurred in attending the annual meetings, a *per diem* allowance of four dollars and the regular railroad fares, including Pullman, to and from the meeting (April 24, 1938). Hotel rooms for their use at the annual meetings are provided by the Association. Members of the Executive Committee attending special meetings of the Committee receive, for their expenses, a *per diem* allowance of six dollars a day and a mileage allowance of five cents a mile for the round trip.

ARTICLE XI

These By-Laws and Rules of Procedure may be amended by vote of the Council.

OFFICIALLY ASSOCIATED SOCIETIES

AFFILIATED SOCIETIES¹

SECTION ON MATHEMATICS

Mathematical Association of America (2).² Dec. 29, 1920.
American Mathematical Society (2). Dec. 29, 1920.
Association for Symbolic Logic (1). Oct. 30, 1937.

SECTION ON PHYSICS

Optical Society of America (2). Before 1920.
American Physical Society (2). Before 1920.
American Association of Physics Teachers (2). Oct. 25, 1931.
Acoustical Society of America (1). April 26, 1931.
American Meteorological Society (1). Before 1920.
Society of Rheology (1). April 26, 1931.

SECTION ON CHEMISTRY

American Chemical Society (2). Before 1920.

American Electrochemical Society (2). April 27, 1924.
American Oil Chemists' Society (1). April 25, 1926.

SECTION ON ASTRONOMY

American Astronomical Society (2). Before 1920.
Astronomical Society of the Pacific (1). Dec. 30, 1925.
The Society for Research on Meteorites (1). Associated April 14, 1935; affiliated Dec. 30, 1938.

SECTION ON GEOLOGY AND GEOGRAPHY

Association of American Geographers (2). Before 1920.
American Geographical Society of New York (2). April 24, 1921.
Geological Society of America (2). Before 1920.
Paleontological Society (2). April 27, 1924.
Seismological Society of America (2). Before 1920.
Mineralogical Society of America (1). April 27, 1924.

SECTION ON ZOOLOGICAL SCIENCES

American Association of Economic Entomologists (2). Before 1920.

¹ Dates of affiliation subsequent to 1920 follow the names of the respective societies; previous to 1920 dates of affiliation were not recorded.

² Numbers in parentheses are the numbers of representatives the respective societies have on the Council of the Association.

Entomological Society of America (2).
Before 1920.

Association for Research in Human Heredity, Inc.¹ (2). *Before 1920.*

American Society of Mammalogists (2).
Nov. 20, 1921.

American Society of Parasitologists (2).
April 26, 1925.

American Society of Zoologists (2). *Before 1920.*

SECTION ON BOTANICAL SCIENCES

Botanical Society of America (2). *Before 1920.*

American Phytopathological Society (2).
Before 1920.

American Society of Plant Physiologists (2). *Oct. 12, 1924.*

Torrey Botanical Club (2). *April 24, 1927.*

Mycological Society of America (2).
June 18, 1934.

SOCIETIES RELATED TO BOTH ZOOLOGICAL AND BOTANICAL SCIENCES

Ecological Society of America (2). *Before 1920.*

American Genetic Association (2). *Before 1920.*

Genetics Society of America (2). *April 24, 1932.*

American Microscopical Society (2). *Before 1920.*

American Society of Naturalists (2). *Before 1920.*

Western Society of Naturalists (2). *Oct. 21, 1928.*

Federation of American Societies for Experimental Biology (2). *April 19, 1936.*

Linnological Society of America (1).
Oct. 27, 1935.

SECTION ON ANTHROPOLOGY

American Anthropological Association (2). *Before 1920.*

SECTION ON PSYCHOLOGY

American Psychological Association (2).
Before 1920.

Midwestern Psychological Association (1). *June 16, 1931.*

¹ Formerly Eugenics Research Association.

Society for Research in Child Development (1). *April 14, 1935.*

The Psychometric Society (1). *April 17, 1937.*

SECTION ON SOCIAL AND ECONOMIC SCIENCES

Econometric Society (1). *Oct. 25, 1931.*

American Sociological Society (1). *Associated before 1920; affiliated April 24, 1932.*

American Statistical Association (1). *Associated before 1920; affiliated April 25, 1931.*

SECTION ON HISTORICAL AND PHILOLOGICAL SCIENCES

History of Science Society (2). *April 26, 1925.*

Linguistic Society of America (1). *Oct. 17, 1926.*

SECTION ON ENGINEERING

American Society of Civil Engineers (2).
Before 1920.

American Institute of Electrical Engineers (2). *Before 1920.*

Illuminating Engineering Society (2).
Before 1920.

American Society of Mechanical Engineers (2). *Before 1920.*

American Institute of Mining and Metallurgical Engineers (2). *Before 1920.*

Society for the Promotion of Engineering Education (2). *June 19, 1933.*

The American Ceramic Society (1). *Associated Nov. 20, 1921; affiliated April 27, 1924.*

The Institute of Radio Engineers (1).
Oct. 25, 1925.

American Society for Testing Materials (1). *April 24, 1921.*

The Institute of Aeronautical Sciences (1). *April 14, 1935.*

SECTION ON MEDICAL SCIENCES

American Association of Anatomists (2).
Before 1920.

Society of American Bacteriologists (2).
Before 1920.

- American Medical Association (2). *Before 1920.*
- Society for Experimental Biology and Medicine (2). *Oct. 17, 1927.*
- American Public Health Association (2). *April 27, 1924.*
- American Pharmaceutical Association (2). *Dec. 30, 1925.*
- American Society for Experimental Pathology (2). *Associated before 1920; affiliated April 19, 1936.*
- American Society of Biological Chemists (2). *Associated before 1920; affiliated April 19, 1936.*
- American Physiological Society (2). *April 19, 1936.*
- American Society for Pharmacology and Experimental Therapeutics (2). *April 19, 1936.*
- American Society of Tropical Medicine (2). *Dec. 30, 1939.*
- American Roentgen Ray Society (1). *Oct. 20, 1929.*
- American Veterinary Medical Association (1). *April 25, 1926.*
- American Academy of Tropical Medicine (1). *June 24, 1935.*
- American Division, International Association for Dental Research (1). *April 14, 1935.*
- American Academy of Ophthalmology and Otolaryngology (1). *April 19, 1936.*
- American Psychiatric Association (1). *Oct. 25, 1936.*
- National Malaria Committee (1). *Dec. 30, 1939.*

SECTION ON AGRICULTURE

- American Society of Agronomy (2). *April 24, 1921.*
- American Society for Horticultural Science (2). *Before 1920.*
- Society of American Foresters (2). *Before 1920.*
- Canadian Society of Technical Agriculturists (1). *April 23, 1922.*
- American Society of Animal Production (1). *April 27, 1924.*

SECTION ON EDUCATION

- National Society of College Teachers of Education (2). *Before 1920.*
- National Education Association (2). *April 27, 1924.*
- National Society for the Study of Education (2). *Before 1920.*
- American Philosophical Association (1). *Associated before 1920; affiliated Dec., 31, 1936.*

GENERAL SOCIETIES

- United Chapters of Phi Beta Kappa (2). *Dec. 27, 1928.*
- Honor Society of Phi Kappa Phi (2). *April 26, 1925.*
- Society of the Sigma Xi (2). *Before 1920.*
- American Association of University Professors (2). *Nov. 8, 1922.*
- Sigma Delta Epsilon Graduate Women's Scientific Fraternity (2). *Associated January 2, 1936; affiliated April 23, 1939.*
- American Library Association (1). *April 22, 1928.*
- American Nature Study Society (1). *Oct. 27, 1926.*

ACADEMIES OF SCIENCE

- Alabama Academy of Science (1). *April 25, 1926.*
- The American Institute of the City of New York (1). *Dec. 27, 1938.*
- British Columbia Academy of Sciences (1). *June 30, 1938.*
- Colorado-Wyoming Academy of Science (1). *Dec. 26, 1927.*
- Florida Academy of Sciences (1). *Oct. 25, 1936.*
- Georgia Academy of Science (1). *April 26, 1925.*
- Illinois State Academy of Science (1). *April 26, 1925.*
- Indiana Academy of Science (1). *April 26, 1925.*
- Iowa Academy of Science (1). *Before 1920.*
- Kansas Academy of Science (1). *Before 1920.*

- Kentucky Academy of Science (1). *Before 1920.*
- Louisiana Academy of Science (1). *Dec. 29, 1933.*
- Maryland Academy of Sciences (1). *April 24, 1921.*
- Michigan Academy of Science (1). *Dec. 27, 1920.*
- Minnesota Academy of Science (1). *Oct. 16, 1933.*
- Mississippi Academy of Science (1). *June 19, 1939.*
- Missouri Academy of Science (1). *April 13, 1935.*
- Nebraska Academy of Science (1). *Before 1920.*
- New Hampshire Academy of Science (1). *Dec. 30, 1925.*
- New Orleans Academy of Science (1). *Before 1920.*
- North Carolina Academy of Science (1). *April 24, 1921.*
- North Dakota Academy of Science (1). *April 26, 1925.*
- Northwest Scientific Association (1). *April 25, 1931.*
- Ohio Academy of Science (1). *Before 1920.*
- Oklahoma Academy of Science (1). *Dec. 27, 1920.*
- Pennsylvania Academy of Science (1). *April 25, 1926.*
- Academy of Science of St. Louis (1). *Sept. 17, 1930.*
- South Carolina Academy of Science (1). *Oct. 17, 1927.*
- Tennessee Academy of Science (1). *Dec. 30, 1925.*
- Texas Academy of Science (1). *April 27, 1930.*
- Virginia Academy of Science (1). *April 26, 1925.*
- West Virginia Academy of Science (1). *Dec. 30, 1925.*
- Wisconsin Academy of Sciences, Arts, and Letters (1). *Before 1920.*

ASSOCIATED SOCIETIES

SECTION ON PHYSICS

Sigma Pi Sigma. *Jan. 2, 1936.*

SECTION ON CHEMISTRY

American Institute of Chemical Engineers. *Before 1920.*

Phi Lambda Upsilon. *June 21, 1933.*

Alpha Chi Sigma Fraternity. *Oct. 27, 1935.*

SECTION ON GEOLOGY AND GEOGRAPHY

National Council of Geography Teachers. *Before 1920.*

American Alpine Club. *Before 1920.*

SECTION ON ZOOLOGICAL SCIENCES

Wilson Ornithological Club. *Before 1920.*

SECTION ON BOTANICAL SCIENCES

American Fern Society. *Before 1920.*

Sullivant Moss Society. *Before 1920.*

American Society of Plant Taxonomists. *Dec. 30, 1939.*

SOCIETIES RELATED TO BOTH ZOOLOGICAL AND BOTANICAL SCIENCES

Phi Sigma Society. *Oct. 25, 1925.*

National Association of Biology Teachers. *April 23, 1939.*

SECTION ON ANTHROPOLOGY

Archaeological Institute of America. *Before 1920.*

American Folk-Lore Society. *Before 1920.*

SECTION ON PSYCHOLOGY

Southern Society for Philosophy and Psychology. *Before 1920.*

SECTION ON SOCIAL AND ECONOMIC SCIENCES

American Planning and Civic Association. *Before 1920.*

American Economic Association. *Before 1920.*

Metric Association. *Before 1920.*

SECTION ON ENGINEERING

- American Society of Heating and Ventilating Engineers. *Before 1920.*
 American Society of Refrigerating Engineers. *Before 1920.*
 Western Society of Engineers. *Dec. 26, 1932.*
 American Society of Photogrammetry. *April 19, 1936.*
 American Society of Agricultural Engineers. *Dec. 30, 1939.*

SECTION ON MEDICAL SCIENCES

- American Dental Association. *Oct. 15, 1932.*
 American College of Dentists. *April 26, 1931.*
 American Association of Dental Schools. *Oct. 15, 1932.*
 American Association of Colleges of Pharmacy. *April 14, 1935.*
 American Dietetic Association. *June 24, 1925.*
 Alpha Epsilon Delta Premedical Fraternity. *Oct. 25, 1936.*

SECTION ON AGRICULTURE

- Potato Association of America. *April 22, 1923.*
 American Dairy Science Association. *Before 1920.*

- Association of Official Seed Analysts. *Before 1920.*
 American Pomological Society. *Before 1920.*
 Gamma Sigma Delta (Honor Society of Agriculture). *Before 1920.*
 Xi Sigma Pi. *Sept. 17, 1930.*

SECTION ON EDUCATION

- The Canadian Teachers' Federation. *April 23, 1939.*
 Kappa Delta Pi. *Dec. 30, 1929.*
 Phi Delta Kappa Fraternity. *Nov. 20, 1921.*
 Pi Lambda Theta. *June 21, 1932.*

GENERAL SOCIETIES

- Bibliographical Society of America. *Before 1920.*
 American College Personnel Association. *April 26, 1931.*
 Pi Gamma Mu. *Dec. 28, 1931.*
 Gamma Alpha Graduate Scientific Fraternity. *Oct. 25, 1925.*
 Chi Beta Phi Scientific Association. *Oct. 27, 1935.*
 American Science Teachers Association. *Dec. 28, 1936.*
 The Wildlife Society. *Dec. 30, 1937.*
 Research Council on Problems of Alcohol. *Dec. 30, 1937.*

ORGANIZATION AND OPERATION OF THE ASSOCIATION

HISTORY OF THE CONSTITUTION

When the Association was organized in 1848 it adopted and began operations under "Objects and Rules of the Association," consisting of a statement of "Objects" and 20 "Rules" that had been drawn up and presented by a committee appointed for the purpose the preceding year. The "Objects" were almost identical with Article 1 of the present constitution. The supreme power of the Association was vested in the Standing Committee, consisting of the general officers, the chairmen and secretaries of the sections and six other elected members. The annual dues of one dollar per year entitled each member to a copy of the Proceedings of the Association. One of the duties of the Local Committee in each city in which the Association met was to provide funds for paying for publishing the Proceedings of the meeting.

In 1851 the "Objects and Rules" became a "Constitution" with two amendments, one providing for dropping members who were in arrears on their dues for two years and the other raising the annual dues to two dollars.

In 1856 a new draft of the Constitution was adopted. There were no By-Laws but certain actions of the Standing Committee were carried under the heading, "Resolutions of a Permanent and Prospective Character."

After discussions extending over two years a completely revised constitution of 38 articles was adopted in 1874. The committee reporting on the provisions of the new constitution said, "The constitutional troubles, which for many years have often caused the meetings to assume the temporary character of a parliamentary body, have finally been disposed of . . ." The annual dues of members were increased from two to three dollars.

In 1874 the Association was incorporated under the laws of the Commonwealth of Massachusetts. The articles of incorporation gave the Association the right of "receiving, purchasing, holding, and conveying real and personal property, which it now is, or hereafter may be possessed of, with all powers and privileges, and subject to the restrictions, duties and liabilities set forth in the general laws which now or hereafter may be in force and applicable to such corporations."

The Constitution of the Association was amended in 1881, 1886 and 1887. In 1887 the Standing Committee was changed to the Council. Occasionally minor amendments to the Constitution were adopted, and several were made in 1899.

Important amendments to the Constitution adopted in 1903 increased the Council by including in its membership the presidents and vice presidents of the two preceding years, the other general officers, 9 fellows elected by the Council, three each year for a term of three years and one fellow elected by each affiliated society having more than 25 members who were members of the Association. The term of office of the Permanent Secretary, the Treasurer and secretaries of the sections was 5 years. At this time the Constitution contained 39 articles.

There was no thorough revision of the Constitution of the Association from 1874 to 1920, a period of 46 years. In this interval the membership of the Association had increased from 722 to 11,547. Affiliated and associated societies had been provided for in 1899. In 1920 there were 41 affiliated societies, 12 affiliated academies of science and 40 associated societies. Under these greatly changed conditions a revised and simplified constitution became imperative. In 1917 a committee consisting of J. McKeen Cattell, H. L. Fairchild and D. T. MacDougal was appointed to make a radical revision of the Constitution. The report of the committee was presented and adopted in 1920. The Constitution consisted of only 11 articles and of 11 By-Laws defining rules of procedure subject to amendment by vote of the Council. This Constitution, except for minor amendments indicated by italics as it is printed on pages 61 and 62, is in effect at the present time.

The constitution adopted in 1920 increased the annual dues of members from three to five dollars.

CLASSES OF MEMBERS

There are six classes of members: sustaining members, life members, emeritus life members, emeritus annual members, fifty-year members, and annual members; in addition, there are honorary British Association members and honorary junior members.

Sustaining members are members who have given to the Association one thousand dollars; they are exempt from annual dues. The payments received by the Association from sustaining members form part of the permanent fund of the Association, the income of which is used for research. Sustaining members have all the privileges of annual members. For the complete list of sustaining members see page 203.

Life members are members who have paid to the Association one hundred dollars at one time; they also are exempt from annual dues. Payments received from life members become (after their respective deaths) part of the permanent fund of the Association, the income from which is used for research. Life members have all the privileges of annual members. For the complete list of life members see page 203.

Emeritus life members are members whose life membership payment has

been made, by direction of the Council, from income of the Jane M. Smith endowment for this purpose. Usually emeritus life members are chosen by the Council from the members who have had longest continuous membership in the Association. Emeritus life members are exempt from the payment of annual dues and have all the privileges of annual members. For the complete list of emeritus life members see page 210.

Emeritus annual members are members, usually chosen from among those of longest continuous membership in the Association, whose dues have been paid by direction of the Council from the income of the Luella A. Owen fund. Emeritus annual members have all the privileges of annual members.

Fifty-year members are members who have paid annual dues for 50 years and have been excused from further payments. For the list of 50-year members see page 212.

Annual members are members who pay annual dues. For the complete list of all persons who have been members at any time between June 1, 1934, and July 1, 1940, see page 217.

Fellows are members of any class who have been elected to fellowship by the Council of the Association in recognition of their having contributed to the advancement of science by the publication of original research or in other significant manner. Before a member is eligible for election as a fellow he must have been nominated by three fellows, the Permanent Secretary or a Section Secretary or a Section Committee, and approved by the Section Committee in whose field his work mainly lies.

All of the foregoing members receive with their membership a subscription to either *Science* or *The Scientific Monthly* for each calendar year of their membership.

Honorary British Association members are officers and members of the Council of the British Association elected to membership for one year by the Council of the Association under the arrangement between the British Association for the Advancement of Science and the American Association for the Advancement of Science for reciprocal British and American Association lectures on alternate years. These members pay no dues. They receive the general programs, preliminary announcements and reports of the meetings of the Association, but they do not receive subscriptions to *Science* or *The Scientific Monthly*. For a complete list of Honorary British Association members see page 213.

Honorary junior members are boys and girls, nominated by the affiliated academies of science, who have been elected by the Council of the Association to honorary junior membership for one year. Each affiliated academy is entitled to nominate only one boy and one girl each year from the junior academy or junior science clubs of its territory. Honorary junior members pay no dues. They receive certificates of membership, general programs,

preliminary announcements and reports of the meetings of the Association and a subscription to *Science News Letter* during the year of their membership. For a complete list of honorary junior members see page 214.

ANNUAL DUES OF MEMBERS

The annual dues of annual members and fellows are \$5 per year, payable in advance. Of these dues, \$3 pays for a subscription to either *Science* or *The Scientific Monthly*. The fiscal year of the Association is from October 1 to September 30. The subscription to *Science* or *The Scientific Monthly* going with each membership is for the calendar year beginning three months after the membership year beginning on October 1. New volumes of both *Science* and *The Scientific Monthly* begin with the calendar year.

Of the dues paid by each member of the Pacific Division and the Southwestern Division, \$1 goes to the respective division for office expenses.

THE COUNCIL

The control of the Association, including the election of officers, the election of members and fellows, the determining of places and dates of meetings, the establishing of policies and the appropriation of funds, is vested in the Council of the Association.

The Council consists of the President, the Vice Presidents, the Permanent Secretary, the General Secretary, the secretaries of the Sections, the Treasurer, the members of the Executive Committee, a representative from each of the two divisions of the Association, eight fellows, two of whom are elected annually by the Council for a term of four years, two from each affiliated society having more than 100 members who are fellows of the Association, and one from each of the other affiliated societies and from each affiliated academy of science. There are members of the Council representing every major field of science and interest of the Association. The great majority of the members of the Council are elected by the sections and affiliated societies which are entirely independent of the Executive Committee and the general officers of the Association. It would be difficult to lodge the power of an organization having more than 21,000 members in a more representative and democratically elected body than the Council.

The scientific interests of the general officers, the Executive Committee, the eight elected members of the Council, the representatives of the divisions of the Association, the representatives of such general organizations as American Association of University Professors, and the representatives of the affiliated academies of science cannot be given any fixed distribution among the sciences because they vary from time to time. There are 66 such members of the Council, and there are 174 others whose interests are distributed among the major scientific fields as follows: mathematics, 7;

physics, 11; chemistry, 7; astronomy, 6; geology and geography, 13; zoology, 14; botany, 12, both zoology and botany, 15; anthropology, 4; psychology, 7; social and economic sciences, 5; historical and philological sciences, 5; engineering, 18; medical sciences, 31; agriculture, 10, and education, 9. The total number of members of the Council on January 1, 1940 was 240.

All of the 21,150 members of the Association, except 471, have been recorded, at their request, as desiring affiliation with one or more of the 15 sections. It may be interesting to measure the correspondence between the number of members interested in the various scientific fields and their representation on the Council. The numbers of representatives on the Council for the various sections for each 1000 members affiliated with the respective sections are as follows: Mathematics, 4.3; physics, 3.1; chemistry, 1.3; astronomy, 7; geology and geography, 6.3; zoology, 5.1; botany, 5.4; anthropology, 4; psychology, 3.6; social and economic sciences, 6.0; historical and philological sciences, 11.5; engineering, 6; medical sciences, 5.2; agriculture, 5.1; education, 4.5.

ELECTION OF THE PRESIDENT

Perhaps nothing shows better the democratic organization and operation of the Association than the election of its presidents. In July the office of the Permanent Secretary sends to each member of the Council a preliminary nomination ballot. There are on it the names of the past presidents for the preceding 20 years and the field in which each of them was distinguished. About 15 of the names receiving the greatest number of votes in the preliminary ballot by the Council are included on the nomination ballot sent out to the entire membership of the Association on October 1, and also the names of the presidents for the preceding 20 years. The members are advised that they may make nominations other than those made by the Council.

At the election of the president by the Council at the annual meeting in December the names of from 10 to 15 persons receiving the greatest number of votes on the ballots returned from the entire membership are placed on the blackboard in alphabetical order. The president calls for nominations from the floor. Then the Council proceeds to the election by ballot of a president of the Association for the following year.

THE EXECUTIVE COMMITTEE

The Constitution of the Association provides for an Executive Committee of the Council for two reasons: (1) It is sometimes necessary to transact business of the Association between meetings of the Council (it meets only at meetings of the Association), and (2) it is practically necessary to have a smaller group than the entire Council of nearly 250 members for intensive study of the problems of the Association. For the first of these reasons the

Executive Committee holds two interim meetings each year, one in April and one in October. An example of the problems that the Council refers to the Executive Committee with full power of decision is that of determining which of the symposia presented at meetings of the Association and offered for publication shall be accepted. In nearly all cases the Executive Committee refers to the Council the questions it has studied, with recommendations; in exceptional cases in which prompt decisions are necessary the Executive Committee acts and reports its actions to the Council.

THE SECTIONS

The scientific programs of the meetings of the Association are largely organized under 15 sections in cooperation with the affiliated and associated societies. Each section has a Chairman, who is a vice president of the Association for the section, with a term of office of one year, a Secretary, with a term of office of four years, and a Section Committee, consisting of four fellows, one of whom is elected each year by the section committee for a term of four years, and the representatives on the Council from the affiliated societies whose chief interests are in the field of the section.

The vice president for each section delivers a formal vice presidential address, usually at the meeting at which his term of office expires, on some subject of wide interest in the field of the section. The addresses of the vice presidents are generally published in *Science* and are referred to with titles and places of publication in the Summarized Proceedings.

The secretaries as chief administrative officers of the sections have burdensome and important responsibilities, among which are the planning of programs at the meetings of the Association, generally in cooperation with the officers of several affiliated societies. Many of the programs of sections and their cooperating affiliated societies contain more papers than any entire program of the Association for the first 50 years of its existence. The section secretaries also arrange for the voting of the section committees, or the members of the sections, on nominations of vice presidents, nominations of section committeemen, nominations of fellows, election of committees and other special representatives. In order to provide an easy opportunity for interchanges of ideas between secretaries and for conferences respecting the problems arising in the operations of the sections, a Secretaries Conference is held at each annual meeting of the Association. This conference follows a dinner and is attended by the members of the Executive Committee.

DIVISIONS OF THE ASSOCIATION

It is costly for members of the Association living on the Pacific Slope or in the southwestern mountain states to attend meetings of the Association held on the Eastern Seaboard or even in the Mississippi Valley. Yet meet-

ings of the Association must generally be held in the populous regions east of the Rocky Mountains. Moreover, the rapid increase in scientific research and membership of the Association made it advisable to hold more than one meeting each year. These considerations led to the establishment of the Pacific Division in 1915 and of the Southwestern Division in 1920.

Members of the Association on the Pacific Slope, about 1000 in number, had found it advantageous to hold meetings under what was called the "Pacific Coast Committee of the American Association for the Advancement of Science," which was organized in 1913. At the meeting of the Association held in San Francisco in August, 1915, the Pacific Division was formally established by the Council and held its first meeting at San Diego in August, 1916. (See By-Laws, Article VI, Section 2, for the territory of the Pacific Division.)

On April 26, 1920, the Executive Committee of the Association approved the organization of the Southwestern Division that had been tentatively made at a meeting of delegates held in Tucson, Arizona, on April 10. (See By-Laws, Article VI, Section 3, for the territory of the Southwestern Division.) The Southwestern Division held its first meeting at El Paso, Texas, on April 30, 1920.

The divisions of the Association are entirely autonomous, under the provisions of the Constitution. They elect their own officers, determine the places and times of their meetings, arrange their programs, and publish preliminary announcements and reports of their meetings. Occasionally the two divisions hold joint meetings, and at times the Association holds a joint meeting with one or both of them. The members of the Pacific and Southwestern Divisions have one member each on the Council of the Association and participate in its elections, but the reverse is not true. This close co-operation under complete freedom is admirably fulfilling the purpose of the Association, the advancement of science.

The membership records of members resident in the territories of the Pacific and Southwestern divisions are kept in the office of the Permanent Secretary, the annual dues of these members are collected by the Permanent Secretary, their journals are ordered from the office of the Permanent Secretary, and all communications to them concerning the Association as a whole are sent out from the office of the Permanent Secretary. But the offices of the divisions have their own expenses which are provided for by an allowance of \$1 for each of their annual members from the funds of the office of the Permanent Secretary.

LOCAL BRANCHES

At the meeting held in Atlanta, Ga., December, 1913—January, 1914, the Council authorized "the establishment of local branches in places where the

members are prepared to conduct organizations that will forward the objects of the Association." Branches with varying degrees of success have been organized at seven places. The following organizations have functioned as branches: South Florida Science Association, Lancaster (Pa.) Branch (nearly 1000 members), Mobile (Ala.) Academy of Science, Phoenix (Ariz.) Local Branch, Plattsburg (N. Y.) Branch, Southern Rhode Island Branch, and Westchester (N. Y.) Institute of Sciences.

AFFILIATED AND ASSOCIATED SOCIETIES

In 1899 the Constitution of the Association first referred to "Affiliated Societies," which were defined as scientific societies meeting contemporaneously with the Association and which were recognized by vote of the Council as Affiliated Societies. The number of affiliated and associated societies has steadily increased to 174 on July 1, 1940.

Affiliated and associated societies are societies whose purposes, organizations and activities have been approved by the Council by admitting them into one of these relationships with the Association. Affiliated and associated societies pay no entrance fees or dues and are invited to hold their meetings simultaneously with, and in cooperation with, the meetings of the Association. When affiliated and associated societies meet with the Association, the office of the Permanent Secretary arranges for their headquarters, meeting rooms and necessary equipment. The outstanding features of their programs are included in the preliminary announcements of the meetings of the Association and the Permanent Secretary's reports of the meetings that are published in *Science*. The complete programs of their meetings are included in the General Programs of the meetings of the Association.

The only practical difference between the relationship of an affiliated society and an associated society with the Association is that the former has representation on the Council and the latter does not. If an affiliated society has more than 100 members who are fellows of the Association, it has two representatives on the Council; otherwise it has only one.

Associated and affiliated societies whose interests are limited to a recognized field of science cooperate with the corresponding sections of the Association, and their representatives on the Council are *ex officio* members of their Section Committees. For example, the American Physical Society cooperates with the Section on Physics. It is the policy of the Association for its sections to cooperate, rather than compete, with their related affiliated and associated societies. Some sections hold only one or two sessions of invited papers by eminent specialists in their fields, leaving the major part of the programs to the affiliated and associated societies.

There are some affiliated societies, such as the Society of the Sigma Xi, whose interests are not limited to special fields. Their representatives on the

Council are assigned to the section committees of the sections in whose fields the representatives' chief interests lie.

The steps to be taken by a society to become an affiliated or associated society are: First its secretary files with the Permanent Secretary an application for the relationship, a copy of its constitution and by-laws, a list of its members and a copy of its publication, if it has any; then the application and accompanying data are presented by the Permanent Secretary to the Executive Committee, which makes its recommendation to the Council.

FINANCES

Article 10 of the Constitution separates the finances of the Association into two parts, one under the control of the Treasurer and the other under the control of the Permanent Secretary. The Treasurer has charge of the permanent funds of the Association, such as endowments for support of research, general funds and bequests for special purposes, such as the Jane M. Smith fund for emeritus life members, fees of sustaining and life members (after their death) and reserves that may be set up by authority of the Council. The Treasurer disburses the income from the funds in his charge in accordance with previously submitted budgets that have been approved by the Council.

The Permanent Secretary collects dues from members, moneys due the Association from the sale of publications, such as summarized proceedings and symposia, interest on bank deposits, registration fees at meetings of the Association, rentals of booths at the annual science exhibitions, and gifts from members for general purposes. The Permanent Secretary also administers funds given as grants for the support of specific researches, such as science in education on the college level. Nearly all of the receipts of the office of the Permanent Secretary are from the dues of annual members. Since three dollars of the annual membership dues of five dollars are used to pay for the subscription to *Science* or *The Scientific Monthly*, by far the largest disbursements from the office of the Permanent Secretary are for journal subscriptions for members. The next largest item of expenditure by the office of the Permanent Secretary is for salaries of the office force and operating expenses of the office, including such items as postage, office equipment and supplies, and telephone and telegraph. The final large item of expense borne by the office of the Permanent Secretary is that of the meetings of the Association. The Association assumes all general expenses of its meetings, including both those of its own sections and those of the affiliated and associated societies that meet with it. All collections and disbursements of moneys by the Permanent Secretary are in accordance with previously submitted budgets that have been approved by the Council.

The following table gives the principal items of receipts and disbursements by the Treasurer for the years 1934-1939, inclusive:

FROM THE TREASURER'S REPORT

<i>Fiscal year</i>	<i>Interest</i> ¹	<i>Research</i> ²	<i>Academies</i> ³	<i>Journals</i> ⁴	<i>Prize</i> ⁵
1933-4	\$8,530.98	\$1,870		\$1,536	\$1,000
1934-5	8,273.89	2,950	\$50	1,506	1,000
1935-6	8,195.04	3,000	2,500	1,506	1,000
1936-7	7,736.66	4,000	2,765	1,581	1,000
1937-8	7,252.60	2,725	2,035	1,686	1,000
1938-9	7,403.27	2,000	2,615	1,668	1,000

¹ Interest received only from Endowment for Research and General Funds.

² Grants in aid of research recommended by the Grants Committee and approved by the Council.

³ Grants to the affiliated academies for use in aid of research, the amount available being approximately 50 cents per year for each member of an affiliated academy who is a member of the Association.

⁴ Amounts paid for subscriptions to *Science* or *The Scientific Monthly* for life members and fifty-year members.

⁵ Annual Thousand Dollar Prize to the person who has been recommended by the Prize Committee and approved by the Council as the recipient of the prize for a paper presented at the annual meeting of the Association. The funds for the Thousand Dollar Prize are provided by an anonymous friend of the Association.

The following table gives the principal items of income and the principal items of expense of the office of the Permanent Secretary for the years 1934-1939, inclusive:

FROM THE PERMANENT SECRETARY'S REPORTS

<i>Fiscal year</i>	<i>Dues</i> ¹	<i>Journals</i> ²	<i>Office</i> ³	<i>Circular- Meetings ization</i> ⁴	<i>Expense</i> ⁵	<i>Regis- tration</i> ⁶	<i>Divisions</i> ⁷
1933-4	\$81,848	\$50,116	\$19,852	\$2923	\$9194	\$2297	\$2133
1934-5	81,766	50,425	20,051	3650	8492	3188	2210
1935-6	84,288	51,776	21,222	3925	9492	2702	2275
1936-7	84,316	52,083	20,138	3176	9864	3149	2264
1937-8	88,284	54,614	23,971	3096	7799	3926	2358
1938-9	93,804	57,922	25,349	5485	7752	2786	2256

¹ Annual dues of members and entrance fees.

² Subscriptions to *Science* and *The Scientific Monthly* for members

³ Salaries, postage, equipment, supplies, telephone, etc.

⁴ Expense of circular letters inviting persons to become members of the Association.

⁵ Total expense to the Association of the meetings for the respective years.

⁶ Money received from registrants, one dollar each, at the meetings; available to apply against expense of meetings.

⁷ The Pacific Division and the Southwestern Divisions are allowed one dollar per member each year for office expenses.

MEETINGS OF THE ASSOCIATION

With few exceptions the annual meetings of the Association from its founding in 1848 to the year 1902 were held in August. Apparently one of the reasons for the choice was that university and college men were on vacation at that time of the year. But after the opening of The University of Chicago in 1893 summer sessions in universities rapidly became common and the vacation consideration lost its importance. Moreover, the American Society of Naturalists and a related group of scientific societies were holding meetings in the Christmas holidays. On the recommendation of a com-

mittee, of which Charles S. Minot was chairman, the annual meeting at Pittsburgh in June-July, 1902, was followed by a meeting in Washington in December, 1902—January, 1903. Since that year all annual meetings of the Association have been held during Convocation Week.

In 1922 a committee, of which J. McKeen Cattell was chairman, made a thorough study of the whole problem of meetings and recommended that a twelve-year cycle be adopted. Under this plan major meetings were to be held cyclically in four-year intervals in Washington, New York and Chicago; in mid-periods in large cities in succession in New England, the Central States and the Middle Atlantic States. It was also recommended that a summer meeting be held in 1923.

The recommendations were adopted by the Council and a joint meeting with the Pacific Division and the Southwestern Division was held in Los Angeles in September, 1923, just before the total eclipse of the sun of that year, the track of which passed across Southern California. A summer meeting was held in 1925, a joint meeting with the Southwestern Division at Boulder, Colorado, but no other summer meeting was scheduled until 1931, when a joint meeting with the Pacific Division was held at Pasadena, California. Since 1931 the Association has held a summer meeting each year. Two summer meetings are scheduled for 1941, one at Durham, N. H., in June and one at Chicago in September.

Various considerations enter into the choosing of places for meetings of the Association. Perhaps the primary one is that they should be distributed widely over the country. Another is that they should be held in or near large centers of scientific interests. They must be held where facilities are adequate and reasonably concentrated. This is not a light requirement, for at the winter meetings there must be available at one time for the sessions of the Association sections and of the affiliated and associated societies at least 60 meeting rooms with seating capacities ranging from 75 to 500 and equipped with projection apparatus. Moreover, there must be suitable headquarters for the Association and for from 20 to 50 affiliated and associated societies. Finally, it must be possible to serve at least six or eight large luncheons or dinners at the same time. One of the most difficult requirements to meet is a suitable, conveniently located space of at least 20,000 square feet for the annual science exhibition and general registration headquarters and lounge. At summer meetings science exhibitions are not held and other requirements are about half those for winter meetings.

The first step in choosing a place for a meeting is usually an invitation from local institutions or organizations, supported by members of the Association living in the city extending the invitation. If the invitation is looked on with favor by the Executive Committee, the office of the Permanent Secretary makes a survey of the physical and other facilities available in the

city from which the invitation is received. If the report is favorable, the Executive Committee may recommend to the Council that the invitation be accepted. If the recommendation is adopted by the Council, the inviting institution is notified that the invitation is accepted and arrangements are taken up in due course for holding the meeting. Usually invitations are accepted several years in advance of the dates when the meetings will be held.

Article IV, Section 4 of the By-Laws of the Association provides that "A local committee shall be organized by the members resident in the place where a meeting of the Association is held." This committee has heavy responsibilities both in work and in taking care of local expenses. Usually a local committee, of from five to twenty-five members is organized, variously styled "The Local Committee," "The General Committee," "The General Planning Committee," or "The Committee on Arrangements." The *chairman* of this committee should always be a man of eminence, wide influence, high executive ability and thoroughness. The *executive secretary* should have the same qualities. Often an "Advisory Committee" from local educational institutions, academies, museums and other cultural organizations is set up. Such committees rarely do an appreciable amount of work. There are, however, subcommittees of great importance, the chairman of each of which should be especially well qualified by experience and ability to carry efficiently the responsibilities placed upon his committee. The special committees usually are: (1) Finance, (2) Transportation, (3) Excursions, (4) Receptions and Social Functions, (5) Meeting Places, (6) Special Dinners, (7) Equipment, (8) Printing, (9) Exhibits, and (10) Publicity. These committees function in close cooperation with the office of the Permanent Secretary which furnishes the chairman of the General Committee a detailed list of the arrangements that must be made. For example, the finance committee provides the funds necessary to meet the expenses of the various local subcommittees. The amount required at annual meetings is usually about \$5,000, and half as much at the summer meetings. The special committee on printing cooperates with the office of the Permanent Secretary in making arrangements for printing and assisting in getting through the press the General Program of the meeting, a book of about 300 pages for the annual meetings and about 120 for the summer meetings. The other special committees assume obvious responsibilities. The work of every committee must be organized thoroughly and carried out with precision so that its responsibilities will all be completely fulfilled at predetermined dates and possibly hours.

PUBLICATIONS

Science and The Scientific Monthly. First on the list of publications in which the Association is interested are *Science* and *The Scientific Monthly*, titles to which were transferred to the Association in December, 1938, by

J. McKeen Cattell and Josephine Owen Cattell. Dr. and Mrs. Cattell retain full control as editors and publishers of these journals until they voluntarily relinquish control of them or until Dr. Cattell's death. When control of them passes to the Association, the Association, under the terms of an agreement entered into at the time of the transfer of title, will pay J. McKeen Cattell and Josephine Owen Cattell each year for a period of ten years one-half of the average annual net income of each of these journals for the preceding five years. In determining the net income no charge is to be made for the services of Dr. Cattell and Mrs. Cattell to these journals as editors and publishers.

Science is a weekly journal now in its ninety-second volume and has been the official journal of the Association since 1900. *The Scientific Monthly* is a 96-page illustrated journal now in its fifty-first volume. Each member of the Association receives with his membership a subscription to either *Science* or *The Scientific Monthly*, at his option. To nonmembers the annual subscription to *Science* is \$6.00 and to *The Scientific Monthly*, \$5.00.

The Association Symposia. In January, 1934, the Science Press published as a supplement to *Science* a report on "The Protection by Patents of Scientific Discoveries" that had been submitted by the Committee on Patents, Copyrights and Trade Marks, consisting of Joseph Rossman, Chairman, F. G. Cottrell, A. W. Hull and A. F. Woods. This report was published under the general title "Occasional Publications of the American Association for the Advancement of Science," No. 1, and appeared as a supplement to *Science*, vol. 79. In the same year a symposium on "Physical and Chemical Changes in Nerve During Activity" was published as No. 2 of this series. The third on "The Scientific Aspects of Flood Control" was published in 1936. The first two of these publications are out of print. The fourth, a symposium on "Some Fundamental Aspects of the Cancer Problem," was published in June, 1937. Copies of this 248-page volume are still available.

Financial responsibility for the publication of the first four of the "Occasional Publications of the American Association for the Advancement of Science" was assumed by the Science Press. Since other symposia of high merit were being organized for presentation at meetings of the Association, it appeared likely that their publication might assume considerable proportions. After considerable discussion the Council passed the following resolution on December 27, 1937: "That the Association assume responsibility for the publication of such symposia as shall be passed upon and approved by the Executive Committee". At the same meeting, the Council approved the recommendation of the Executive Committee "that the Association assume full responsibility for the publication of the Acid-fast Bacteria [later called Tuberculosis and Leprosy] symposium presented at the Denver meeting, June, 1937." The Association has assumed full responsibility for all its later

symposia (except one¹) that have been published. The list is as follows:

Tuberculosis and Leprosy (24 contributors)	1938
Syphilis (33 contributors)	1938
Recent Advances in Surface Chemistry and Chemical Physics (12 contributors)	1939
The Migration and Conservation of Salmon (9 contributors)	1939
Mental Health (94 contributors)	1939
Problems of Lake Biology (9 contributors)	1939
The Gonococcus and Gonococcal Infection (45 contributors)	1939
The Genetics of Pathogenic Organisms (11 contributors)	1940
Blood, Heart and Circulation (53 contributors)	1940
The Cell and Protoplasm (17 contributors)	1940

The Association publishes only those symposia presented at its meetings that are systematic, comprehensive and documented discussions by eminent specialists of important limited fields of science. It has been said that only those symposia are published that the Association cannot afford not to publish. However that may be, the ten published in the past three years have received hearty approval by specialists in their fields and a gratifying number of copies of them have been sold. The policy has been adopted of selling the symposia and all other publications of the Association at discounts to its members.

The Association Science Series. In June, 1939, the Association entered into a contract with Doubleday, Doran and Company, Inc., for the publication, at the publisher's expense, of nontechnical books on scientific subjects of wide general interest. Manuscripts submitted for this series are passed on by a committee representing the Association and by the publishers. Only if a manuscript is accepted both by the Association and by the publishers does it appear as one of the Association Science Series of books.

The first book in this series is "Multiple Human Births," by H. H. Newman, which is scheduled to appear from the press on October 21, 1940. The second is "Strange Malady" (allergy), by Warren T. Vaughan, which is scheduled to be published in January, 1941. Members of the Association will be allowed discounts of 20 per cent from the list prices of these books.

GRANTS

Each year the Council makes an appropriation out of the income from the endowment and permanent funds of the Association for grants in aid of research. The amounts appropriated may vary from year to year, depending upon the income available for the purpose. The amount appropriated in each of the past six years is given in the table on page 80.

The individual grants are made by the Council upon the recommendation of the Committee on Grants, which consists of 8 members, two elected each

¹ The exception is "The Cell Theory," presented at the Virginia (Richmond) meeting in December 1938; published by the Jaques Cattell Press, Lancaster, Pa.

year for a term of 4 years. The members of the Grants Committee are chosen from among the various sciences so that every principal field is represented. In October of each year a note is published in *Science*, stating that the Association gives grants and that instructions and blanks for making applications can be obtained from the office of the Permanent Secretary. Early in December the Permanent Secretary sends copies of all applications received to each member of the Grants Committee. The Grants Committee reports its recommendations, through the office of the Permanent Secretary, to the Council at the annual meeting of the Association, and the Council formally votes the grants. The grants are usually for amounts not exceeding \$200, and they are often for aid in completing research already well under way or for which funds have been provided in part from other sources. Each recipient of a grant is required to report to the Association on the results obtained with its aid.

Since 1935 the Association each year has made available to each affiliated academy for grants in aid of research an amount approximately equal to \$0.50 for each of its members who is also a member of the Association. The funds for the grants are appropriated by the Council. The academies decide on the grants they desire to make and notify the office of the Permanent Secretary, which transmits to them the amounts made available under the appropriation by the Council.

The Association makes these funds available to the academies because experience has shown that they contribute efficiently to the advancement of science. Through the affiliated academies the Association is able to extend its assistance very widely and to aid many persons who would not otherwise be reached.

PRIZES

The Association awards two prizes each year, "The Thousand Dollar Prize" provided by an anonymous friend of the Association for a paper of high importance presented before a scientific session at the annual meeting, and the "Theobald Smith Award," provided by the Eli Lilly Company, of Indianapolis, Ind., for a distinguished contribution to medical science by a person under thirty-five years of age. This award is made at summer meetings.

The recipients of the Thousand Dollar Prize, their fields and the subjects of their papers for which the prizes have been awarded are as follows:

- 1923. Leonard Eugene Dickson (mathematics). "The Theory of Numbers."
- 1924. (1) Edwin P. Hubble¹ (astronomy). "The Spiral Nebulae." (2) L. R. Cleveland¹ (biology). "The Physiology of Termites and their Intestinal Protozoa."
- 1925. Dayton C. Miller (physics). "The Ether-drift Experiment."
- 1926. George D. Birkhoff (mathematics). "Mathematical Criticism of some Physical Theories."

¹ Shared equally the prize for 1925.

- 1927. H. J. Muller (genetics). "The Influence of X-rays on Genes and Chromosomes."
- 1928. Oliver Kamm (chemistry). "The Hormones of the Pituitary Gland."
- 1929. Arthur J. Dempster (physics). "The Reflection of Protons from a Calcite Crystal."
- 1930. M. A. Tuve, L. R. Hafstad and O. Dahl (physics). "The Production of Beta Rays and Gamma Rays by Means of High-Voltage Vacuum Tubes."
- 1931. C. C. Speidel (medicine). "The Study of Living Nerves."
- 1932. Henry Eyring (chemistry). "Quantum Mechanics and Chemistry with Particular Reference to Reactions Involving Conjugate Double Bonds."
- 1933. Reuben L. Kahn (medicine). "Tissue Reactions in Immunity; the Specific Reacting Capacities of Different Tissues of an Immunized Animal."
- 1934. Vern O. Knudsen (physics). "The Absorption of Sound in Gases."
- 1935. P. W. Zimmerman (plant physiology) and A. E. Hitchcock (botany). "Responses of Plants to Synthetic Growth Substances (Phyto-hormones)."
- 1936. W. M. Stanley (chemistry). "Some Biochemical Investigations on Crystalline Tobacco Mosaic Virus Proteins."
- 1937. Philip R. White (botany). "Root Pressure—an Unappreciated Force in Sap Movement."
- 1938. Norman R. F. Maier (psychology). "Experimentally Produced Neurotic Behavior in the Rat."
- 1939. I. I. Rabi (physics). "Radio Frequency Spectra of Atoms and Molecules."

The Theobald Smith Awards in Medical Science have been as follows:

- 1937. Robley D. Evans. "A Study of Radium Poisoning."
- 1938. Charles F. Code. "Histamine in the Blood."
- 1939. Albert B. Sabin. "Constitutional Barriers to Involvement of the Nervous System by Certain Viruses."

THE ANNUAL SCIENCE EXHIBITION

At the meeting held in Kansas City in 1925 the Association had its first science exhibition, managed by Major H. S. Kimberly, of Washington, and Professor Albert Saeger, of Kansas City. There were 10 exhibits by leading manufacturers of scientific instruments, apparatus, biological models, materials and supplies, and exhibits by several agencies of the Government, including the Bureau of Standards, the Chemical Warfare Service (combating boll weevil and other pests), the Bureau of Fisheries, the Fixed Nitrogen Research Laboratory, the Navy and the Smithsonian Institution. In addition, there were about 25 exhibits by individual scientists and laboratories.

At each annual meeting of the Association since 1925 a science exhibition has been held. The mere fact that the exhibits have been held for 16 successive years proves that they have been of advantage both to the exhibitors and to the Association. Scientists and institutions presenting individual exhibits have shown other scientists in the most efficient way what they are doing and how they are doing it. And those who visit these exhibits may make valuable comments and suggestions to the exhibiting scientists about

the problems on which they are working. In short, the exhibits by scientists and institutions give unsurpassed opportunities for conferences between experts on important scientific problems and methods in the atmosphere of the laboratory.

Publishers of scientific books find at the meetings of the Association large numbers of prospective purchasers of their publications. The members of the Association look over the new books in their fields not only to decide what they will themselves purchase but to make recommendations to libraries and for adoption for classroom use.

Once scientists worked in garrets with instruments of their own construction. Now the progress of science is essentially dependent on those who make the enormous variety of instruments and equipment that scientists use. No astronomer could construct a 100-inch telescope; no biologist could make his own compound microscope; no chemist could produce the delicate scales he uses in his work; no medical man could design an electrocardiograph that would function. Specialists design and manufacture all such things, often at very great cost in time and money. They and the scientists together promote the advancement of science. For these reasons the Association welcomes the manufacturers of scientific equipment, apparatus and supplies of all kinds in their annual science exhibitions.

SUMMARIZED PROCEEDINGS

For the Period Jan. 1934 - Jan. 1940

Volumes LXXXVII - XCIII

OFFICERS OF THE ASSOCIATION, 1934-1940

PRESIDENTS OF THE ASSOCIATION, 1934-1940

(For the calendar years)

Edward L. Thorndike (psychology), Columbia University.....	1934
Karl T. Compton (physics), Massachusetts Institute of Technology...	1935
Edward G. Conklin (zoology), Princeton University.....	1936
George D. Birkhoff (mathematics), Harvard University.....	1937
Wesley C. Mitchell (economics), Columbia University.....	1938
Walter B. Cannon (physiology), Harvard University.....	1939
Albert F. Blakeslee (genetics), Department of Genetics of Carnegie Institution of Washington, Cold Spring Harbor, N. Y.....	1940

PRESIDENTS OF THE PACIFIC DIVISION, 1934-1940

(To the annual meetings in June)

Joel H. Hildebrand (chemistry), University of California.....	1934
Bailey Willis (geology), Stanford University.....	1935
Richard C. Tolman (physics), California Institute of Technology....	1936
Herbert M. Evans (anatomy), University of California.....	1937
J. S. Plaskett (astronomy), Dominion Astrophysical Observatory, Victoria, B. C.....	1938
S. J. Holmes (zoology), University of California.....	1939
Lewis M. Terman (psychology), Stanford University.....	1940
Harald U. Sverdrup (oceanography), Scripps Institution of Oceanography, La Jolla, Calif.....	1941

PRESIDENTS OF THE SOUTHWESTERN DIVISION, 1934-1940

(To the annual meetings in April)

Oliver C. Lester (physics), Colorado Carnotite Company.....	1934
D. S. Robbins (physics), State College, New Mexico.....	1935
Harold S. Colton (zoology), Museum of Northern Arizona.....	1936
Frank E. E. Germann (chemistry), University of Colorado.....	1937
Frank E. E. Germann (chemistry), University of Colorado.....	1938
E. F. Carpenter (astronomy), University of Arizona.....	1939
John R. Eyer (biology), State College, New Mexico.....	1940
Carrol V. Newson (mathematics), University of New Mexico.....	1941

SECTION OFFICERS

MATHEMATICS (A)

Vice Presidents

R. D. Carmichael.....	1934
T. H. Hildebrandt.....	1935
G. C. Evans.....	1936
W. D. Cairns.....	1937
J. R. Kline.....	1938
Marston Morse.....	1939
A. B. Coble.....	1940

Secretaries

William H. Roever.....	1920-24
R. C. Archibald.....	1925-27
Charles N. Moore.....	1928-32
Earle R. Hedrick.....	1933-

PHYSICS (B)

Vice Presidents

Henry G. Gale.....	1934
John T. Tate.....	1935
George B. Pegram.....	1936
Harvey Fletcher.....	1937
H. E. Ives.....	1938
E. O. Lawrence.....	1939
A. L. Hughes.....	1940

Secretaries

G. W. Stewart.....	1917-20
S. R. Williams.....	1921-24
A. L. Hughes.....	1925-32
H. A. Barton.....	1933-

CHEMISTRY (C)

Vice Presidents

Joel H. Hildebrand.....	1934
Moses Gomberg.....	1935
Irving Langmuir.....	1936
Farrington Daniels.....	1937
H. C. Urey.....	1938
Henry C. Gilman.....	1939
George Scatchard.....	1940

Secretaries

Charles E. Caspari.....	1920
Gerald L. Wendt.....	1921
W. D. Harkins.....	1922-24
Gerhard Dietrichson ¹	1925-28
*R. R. Renshaw.....	1929-31
R. C. Fuson.....	1932

¹ Assistant secretary, 1923-24.

J. H. Simons.....	1932-36
Neil E. Gordon.....	1937-

ASTRONOMY (D)

Vice Presidents

Frederick Slocum.....	1934
H. R. Morgan.....	1935
Frederick H. Seares.....	1936
Philip Fox.....	1937
R. Meldrum Stewart.....	1938
Everett I. Yowell.....	1939
Robert R. McMath.....	1940

Secretaries

F. R. Moulton.....	1920-24
Philip Fox.....	1925-32
H. T. Stetson.....	1933-

GEOLOGY AND GEOGRAPHY (E)

Vice Presidents

James B. Macelwane.....	1934
Walter E. McCourt.....	1935
George R. Mansfield.....	1936
Kirtley F. Mather.....	1937
Walter H. Bucher.....	1938
Kirk Bryan.....	1939
Hugh D. Miser.....	1940

Secretaries

Rollin T. Chamberlin.....	1920
Elwood S. Moore.....	1921-24
G. R. Mansfield.....	1925-28
Kirtley F. Mather.....	1929-36
Howard A. Meyerhoff.....	1937-

ZOOLOGICAL SCIENCES (F)

Vice Presidents

George L. Streeter.....	1934
Oscar Riddle.....	1935
Ross G. Harrison.....	1936
Ralph S. Lillie.....	1937
Francis B. Sumner.....	1938
W. R. Coe.....	1939
L. J. Cole.....	1940

Secretaries

*Herbert V. Neal.....	1920
H. W. Rand.....	1921-24
George T. Hargitt.....	1925-32
George R. La Rue.....	1933-36
George A. Baitsell.....	1937-

BOTANICAL SCIENCES (G)

Vice Presidents

Bernard O. Dodge.....	1934
E. W. Sinnott.....	1935
J. M. Greenman.....	1936
F. E. Denny.....	1937
Raymond J. Pool.....	1938
Neil E. Stevens.....	1939
M. L. Fernald.....	1940

Secretaries

Mel. T. Cook.....	1920
R. B. Wylie.....	1921-24
Sam F. Trelease.....	1925-36
John T. Buchholz.....	1937-

ANTHROPOLOGY (H)

Vice Presidents

Melville J. Herskovits.....	1934
N. C. Nelson.....	1935
Ralph Linton.....	1936
John Swanton.....	1937
Diamond Jenness.....	1938
Neil Judd.....	1939
W. Duncan Strong.....	1940

Secretaries

E. A. Hooton.....	1920-22
R. J. Terry.....	1923-26
Fay-Cooper Cole.....	1927
Charles H. Danforth.....	1928-31
Carl E. Guthe.....	1932
W. M. Krogman.....	1933-

PSYCHOLOGY (I)

Vice Presidents

John E. Anderson.....	1934
*Joseph Peterson . . .	Jan. 1 to Oct. 8, 1935
R. M. Ogden . . .	Oct. 27 to Dec. 30, 1935
*Edward S. Robinson.....	1936
A. T. Poffenberger.....	1937
Calvin P. Stone.....	1938
J. F. Dashiell.....	1938
C. L. Hull.....	1939
Karl M. Dallenbach.....	1940

Secretaries

Frank N. Freeman.....	1920-28
John E. Anderson.....	1929-33
John A. McGeoch.....	1934-36
Leonard Carmichael.....	1937-

SOCIAL AND ECONOMIC
SCIENCES (K)*Vice Presidents*

Carl Snyder.....	1934
Shelby Harrison.....	1935
Harold G. Moulton.....	1936
Stuart Rice.....	1937
Howard R. Tolley.....	1938
Warren S. Thompson.....	1939
Holbrook Working.....	1940

Secretaries

*Seymour C. Loomis.....	1920
R. M. MacIver.....	1921
Frederick L. Hoffman.....	1922-26
(No secretary elected for 1927)	
Charles F. Roos.....	1928-31
Harold Hotelling.....	1931-32
James Ford.....	1933-36
E. P. Hutchinson.....	1937-

HISTORICAL AND PHILOLOGICAL
SCIENCES (L)*Vice Presidents*

Solon J. Buck.....	1934
George Sarton.....	1935
E. H. Wilkins.....	1936
R. C. Archibald.....	1937
Nelson Glenn McCrea.....	1938
L. C. Karpinski.....	1939
Chauncey D. Leake.....	1940

Secretaries

Frederick E. Brasch.....	1921-27
Leonard Bloomfield.....	1928
Joseph Mayer, Secretary of Sub-	
section on History of Science.....	1929-36
Leonard Bloomfield, Secretary	
of Subsection on Linguistics.....	1929-36
Joseph Mayer.....	1931-

ENGINEERING (M)

Vice Presidents

C. E. Skinner.....	1934
H. N. Davis.....	1935
W. E. Wickenden.....	1936
J. W. Barker.....	1937
A. A. Potter.....	1938
Jerome C. Hunsaker.....	1939
Robert L. Sackett.....	1940

**Secretaries*

Frederic L. Bishop.....	1920
L. W. Wallace.....	1921-23
Hugh Miller	1924
N. H. Heck.....	1925-32
Vannevar Bush.....	1933-37
F. M. Feiker.....	1937-

MEDICAL SCIENCES (N)

Vice Presidents

Cyrus C. Sturgis.....	1934
Stanhope Bayne-Jones	1935
Joseph T. Wearn.....	1936
Esmond R. Long.....	1937
T. M. Rivers.....	1938
C. J. Wiggers.....	1939
Paul R. Cannon.....	1940

Secretaries

A. J. Goldforb.....	1920-27
R. G. Hoskins.....	1928
Charles W. M. Poynter.....	1929-31
F. A. Moss.....	1931
W. W. Cort.....	1932
W. M. Simpson.....	1933
*Earl B. McKinley.....	1934
Vincent du Vigneaud.....	1935-36
Malcolm H. Soule.....	1937-

SUBSECTION ON DENTISTRY (Nd)

Chairmen

Theo B. Beust.....	1935
Thomas J. Hill.....	1936-

Committeemen

Wm. J. Gies.....	1935
J. L. T. Appleton.....	1936-
M. L. Ward.....	1936-38
Paul C. Kitchin.....	1939-

SUBSECTION ON PHARMACY (Np)

Chairmen

John C. Krantz, Jr.....	1936
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R. A. Lyman.....	1937
Wortley F. Rudd.....	1938
Glenn L. Jenkins.....	1939

Committeemen

R. A. Lyman.....	1936
Wortley F. Rudd.....	1936-37, 1939-
Glenn L. Jenkins.....	1937-38
Edward Spease.....	1938-

AGRICULTURE (O)

Vice Presidents

*Jacob G. Lipman.....	1934
H. K. Hayes.....	1935
*P. E. Brown.....	1936
E. C. Auchter.....	1937
Robert M. Salter.....	1938
Henry Schmitz	1939
W. H. Chandler.....	1940

Secretaries

*Jacob G. Lipman.....	1920
*P. E. Brown.....	1921-35
M. Francis Morgan.....	1936-

EDUCATION (Q)

Vice Presidents

Guy Thomas Buswell.....	1934
F. B. Knight.....	1935
E. S. Evenden.....	1936
Ralph W. Tyler.....	1937
George D. Stoddard.....	1938
M. R. Trabue.....	1939
E. J. Ashbaugh.....	1940

Secretaries

*Bird T. Baldwin.....	1920-21
A. S. Barr.....	1922-28
Willis L. Uhl.....	1929-32
William S. Gray.....	1933-36
P. M. Symonds.....	1937-38
H. H. Remmers.....	1939-

Asterisk indicates person is deceased.

MEMBERS OF THE COUNCIL

FOR THE YEARS 1934-1939, INCLUSIVE

EX OFFICIO

The President (see page 91)
 The Permanent Secretary (see page 57)
 The General Secretary (see page 57)
 The Treasurer (see page 57)
 The Vice Presidents for the Sections
 (see pages 92-94)
 The Secretaries of the Sections (see
 pages 92-94)

ELECTED MEMBERS

John C. Merriam 1921-37
 Frederick G. Cottrell 1931-34
 Austin H. Clark 1928-
 Arthur H. Compton 1928-
 W. W. Cort 1933-34
 George T. Hargitt 1933-36
 Dugald C. Jackson 1933-36
 F. K. Richtmyer 1934-37
 William F. Ogburn 1935-38
 Louis B. Wilson 1935-38
 Vincent du Vigneaud 1937-

Sam F. Trelease 1937-
 C C Colby 1938-
 E R. Weidlein 1938-
 H. W. Odum 1939-
 W T Vaughan 1939-

APPOINTED BY THE DIVISIONS
PACIFIC DIVISION

W. F. Durand 1933
 E. G. Martin 1934
 Roy E Clausen 1935-

SOUTHWESTERN DIVISION

Oliver C. Lester 1933
 Forrest Shreve 1934
 Harold S. Colton 1935
 Frank E. E. Germann 1936-

ELECTED BY AFFILIATED
ORGANIZATIONS

(See pages 97-107)

COMMITTEES OF THE COUNCIL

EXECUTIVE COMMITTEE

J. McKeen Cattell 1921-
 Henry B. Ward 1921-
 Burton E. Livingston 1921-
 Edwin B. Wilson 1925-36
 David R. Curtiss 1928-35
 Karl T. Compton 1929-
 Joel H. Hildebrand 1929-35
 Robert A. Millikan 1929-36
 Philip Fox 1933-34
 Albert F. Woods 1933-36
 Edward L. Thorndike 1934
 Edwin G. Conklin 1934-
 Otis W. Caldwell 1935-
 *Earl B. McKinley 1935-38
 Rollin T. Chamberlin 1936-37
 Gilbert N. Lewis 1936-38
 George D. Birkhoff 1937-
 F. R. Moulton 1937-
 Wesley C. Mitchell 1938
 Esmond R. Long 1938-
 Linus Pauling 1938-39

Walter B. Cannon 1939
 A. F. Blakeslee 1940-
 Roy E. Clausen 1940-

FINANCE COMMITTEE

John L. Wirt 1923-
 Arthur Keith 1933-
 Wilson Compton 1933-
 Arthur L. Day 1924-39
 *Herbert Gill 1923-36
 F. R. Moulton 1937-
 Charles S. Baker 1937-
 Frederick P. H. Siddons 1940-

COMMITTEE ON GRANTS

Arthur H. Compton 1930-37
 Carl E. Guthe 1931-34
 Samuel C. Lind 1931-34
 William R. Crocker 1932-35
 Philip Fox 1932-35
 Edward W. Berry 1933-34
 Walter R. Miles 1933-36

Asterisk denotes person is deceased.

C. C. Little.....	1934-37
James B. Macelwane... ..	1935-36
McKeen Cattell... ..	1935-38
Moses Gomberg.....	1935-38
Joel Stebbins.....	1936-39
Sam F. Trelease.....	1936-39
*J. G. Lipman.....	1937-39
A. T. Poffenberger.....	1937-
G. H. Parker.....	1938-
*F. K. Richtmyer... ..	1938-39
Vincent du Vigneaud	1939-
T. R. Hogness.....	1939-
A. F. Woods.....	1939-
Dayton C. Miller... ..	1939-
S. A. Mitchell.....	1940-
John T. Buchholz.	1940-

COMMITTEE ON THE PLACE OF SCIENCE IN EDUCATION

Otis W. Caldwell.....	1934-
Karl T. Compton.....	1934-38
Jerome Isenbarger.....	1934-
Burton E. Livingston.....	1934-
Morris Meister.....	1934-
W. L. Eikenberry.	1938-
Ralph W. Tyler.....	1938-
F. R. Moulton.....	1938-

COMMITTEE ON SOURCE BOOKS IN THE HISTORY OF SCIENCE

Gregory D. Walcott.....	1927-
Edwin G. Conklin.....	1927-
Harlow Shapley... ..	1927-

COMMITTEE ON POPULAR SCIENCE BOOK LISTS

Joseph L. Wheeler	1927-
Edward W. Berry.....	1927-
Paul R. Heyl.....	1927-
Burton E. Livingston.....	1927-

TRUSTEES OF SCIENCE SERVICE FROM THE ASSOCIATION

J. McKeen Cattell... ..	1922-
Raymond Pearl.	1929-34
Burton E. Livingston	1930-36
Henry B. Ward.....	1935-
Edwin G. Conklin.....	1937-

REPRESENTATIVES IN THE DIVISION OF FOREIGN RELATIONS OF THE NATIONAL RESEARCH COUNCIL

Burton E. Livingston.....	1921-31
William A. Noyes.....	1931-37
F. R. Moulton.....	1937-

REPRESENTATIVES IN THE COUNCIL OF THE UNION OF AMERICAN BIOLOGICAL SOCIETIES

For the Association as a Whole

Burton E. Livingston.....	1923-
Henry B. Ward	1923-

For the Section on Zoological Sciences

Henry Osborn.....	1923- *
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For the Section on Botanical Sciences

C. O. Appleman.....	1923-
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For the Section on Medical Sciences

C. A. Kofoed	1923-
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For the Section on Agriculture

R. W. Thatcher.....	1923-33
Albert F. Woods.....	1933-

REPRESENTATIVES ON THE BOARD OF TRUSTEES OF BIOLOGICAL ABSTRACTS

Herbert Osborn.....	1928-38
Henry B. Ward.....	1938-

SECTION COMMITTEES

CONSISTING OF (A) MEMBERS ELECTED BY THE SECTIONS AND (B) FELLOWS ELECTED AS REPRESENTATIVES IN THE COUNCIL BY THE AFFILIATED SOCIETIES

MATHEMATICS (A)

ELECTED BY THE SECTION

E. B. Stouffer.....	1931-34
H. E. Buchanan....	1932-35
Marston Morse.....	1933-36
R. E. Langer.....	1934-37
E. B. Stouffer.....	1935-38
L. M. Graves.....	1936-39
M. H. Stone.....	1937-40
Joseph Miller Thomas.....	1938-41
W. M. Whyburn.....	1939-42
J. L. Walsh.....	1940-43

American Mathematical Society

Mark H. Ingraham....	1931-37
Charles N. Moore.....	1934-36
Gordon T. Whyburn.....	1937
R. E. Langer.....	1938-39
F. D. Murnaghan.....	1938-39
L. L. Dines.....	1939
Arnold Dresden.....	1940-
J. R. Kline.....	1940-

Mathematical Association of America

W. D. Cairns	1920-36
C. S. Atchison.....	1934-39
H. L. Rietz.....	1937
W. D. Cairns.....	1938
F. D. Murnaghan.....	1939-
L. L. Dines.....	1940-

Association for Symbolic Logic

Haskell B. Curry.....	1937
Edward V. Huntington...	1938-

United Chapters of Phi Beta Kappa

Dunham Jackson	1935
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Sigma Delta Epsilon Graduate Women's Scientific Fraternity

Mayme I. Logsdon.....	1939
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Florida Academy

J. H. Kusner.....	1937-
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PHYSICS (B)

ELECTED BY THE SECTION

Raymond Thayer Birge.....	1931-34
Harvey Fletcher.....	1932-35
Frederick A. Saunders.....	1933-36
Ernest O. Lawrence.....	1934-37
A. L. Hughes.....	1935-38
Karl K. Darrow.....	1936-39
J. W. Beams.....	1937-40
Lee A. DuBridge.....	1938-41
E. U. Condon.....	1939-42
George R. Harrison.....	1940-43

ELECTED BY AFFILIATED SOCIETIES

American Physical Society

Leonard B. Loeb.....	1934-35
Willard L. Severinghaus.....	1934-
F. K. Richtmyer.....	1936-38
John T. Tate.....	1939
John Zeleny.....	1940-

Optical Society of America

Herbert E. Ives.....	1934
P. I. Wold.....	1934-37
W. E. Forsythe.....	1935-37
R. C. Gibbs.....	1938-
Elmer Hutchison.....	1938-

American Association of Physics Teachers

William E. McElfresh.....	1934
Oswald Blackwood.....	1934-
C. F. Hagenow.....	1935-

American Meteorological Society

W. J. Humphreys.....	1934-
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Acoustical Society of America

Vern O. Knudsen.....	1934-35
Floyd R. Watson.....	1936-

Society of Rheology

Elmer O. Kraemer.....	1934-
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Asterisk indicates person is deceased.

American Association of University Professors

Henry Crew.....1934-

Society of Sigma Xi

W. F. Durand.....1936-38

United Chapters of Phi Beta Kappa

Robert A. Millikan.....1934

George E. M. Jauncey.....1935

Arthur H. Compton.....1936-

Honor Society of Phi Kappa Phi

R. C. Gibbs.1934-

American Philosophical Association

F. S. C. Northrop...1939-

Alabama Academy

Paul D. Bales.....1937

J. H. Coulliette.....1938-

Kansas Academy

Harvey A. Zinszer.....1934-38

Maryland Academy

S. Karrer.....1939-

Missouri Academy

R. T. Dufford.....1938-

New Orleans Academy

Isaac M. Cline.....1935

Ohio Academy

William H. Alexander.....1935-

Tennessee Academy

A. W. Dicus.....1939-

CHEMISTRY (C)

ELECTED BY THE SECTION

Frank C. Whitmore.....1931-34

William Blum....1932-35

Charles A. Browne.....1933-36

Arthur B. Lamb.....1934-37

J. H. Hildebrand.....1935-38

Farrington Daniels¹.....1938-

Moses Gomberg.....1936-39

Irving Langmuir.....1937-40

James F. Norris.....1938-41

M. T. Bogert.....1939-42

Ross A. Gortner.....1940-43

¹ Special member of Executive Committee of the section.

ELECTED BY AFFILIATED SOCIETIES

American Chemical Society

Alexander Silverman1934

Joel H. Hildebrand.....1934

Moses Gomberg ..1935

P. A. Shaffer.....1935

Irving Langmuir1936-37

John R. Murlin.....1936-37

A. F. Benton.....1938-39

H. C. Urey.....1938-39

H. S. Lukens.....1940-

George Scatchard.....1940-

*E. C. Franklin

.....(summer meeting) 1934

S. C. Lind.....(summer meeting) 1935

Neil Gordon....(summer meeting) 1938

H. K. Benson...(summer meeting) 1940

George MCP. Smith

.....(summer meeting) 1940

The Electrochemical Society

*Charles S. Palmer.....1934

Joseph Slepian1934

S. C. Lind.....1935

C. A. Mann.....1935

H. Jermain Creighton.....1936-

*Herman Schlundt.....1936-37

Hiram S. Lukens.....1938-

Wm. C. Bray....(summer meeting) 1934

W. W. Hanscom

.....(summer meeting) 1934

Earl C. Gilbert

.....(summer meeting) 1940

Paul C. Haeseler

.....(summer meeting) 1940

American Oil Chemists' Society

*Charles E. Coates.....1934-

American Pharmaceutical Association

John C. Krantz, Jr.....1934-37

Sigma Xi

Edward Ellery.....1934-

Colorado-Wyoming Academy

Frank E. E. Germann.....1934-

Georgia Academy

*Leon P. Smith.....1934-35

South Carolina Academy

J. E. Copenhaver.....1934

Roe E. Remington.....1936-37

Tennessee Academy

John T. McGill...	1934-38
Louis J. Bircher	
.....(summer meeting)	1939

Wisconsin Academy

H. A. Schuette	1934-36
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ASTRONOMY (D)

ELECTED BY THE SECTION

Annie J. Cannon	1931-34
W. H. Wright	1932-35
C. O. Lampland	1933-40
Raymond S. Dugan	1934-37
Dinsmore Alter	1935-38
John C. Duncan	1936-39
Charles P. Olivier	1938-41
Robert H. Baker	1939-42
Dean B. McLaughlin	1940-43

ELECTED BY AFFILIATED SOCIETIES

American Astronomical Society

Kevin Burns	1934
Zaccheus Daniel	1934
E. S. Haynes	1935
W. J. Luyten	1935
S. L. Boothroyd	1936-37
W. S. Eichelberger	1936-37
S. A. Mitchell	1938
Herbert R. Morgan	1938
E. S. Manson	1939-
J. J. Nassau	1939-
Harold D. Babcock	
.....(summer meeting)	1934
R. T. Crawford	
.....(summer meeting)	1934
C. A. Chant	.....(summer meeting) 1938

Astronomical Society of the Pacific

Kevin Burns	1934
Eli Stuart Haynes	1935-38
R. T. Crawford	1939-
C. D. Shane(summer meeting) 1934

Society for Research on Meteorites

Lincoln La Paz	1939-
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American Association of University Professors

S. A. Mitchell	1934-
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GEOLOGY AND GEOGRAPHY (E)

ELECTED BY THE SECTION

Edward W. Berry	1931-34
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George Rogers Mansfield	1932-35
Waldemar T. Schaller	1933-36
Hugh D. Miser	1934-37
Edward L. Troxell	1935-38
C. H. Behre, Jr.	1936-39
Walter H. Bucher ¹	1939
Preston E. James	1937-40
W. T. Thom, Jr.	1938-41
William W. Rubey	1939-42
John L. Rich	1940-43

ELECTED BY AFFILIATED SOCIETIES

Geological Society of America

Charles P. Berkey	1934-
Eliot Blackwelder	1934
Nevin M. Fenneman	1935
W. C. Mendenhall	1936
Charles Palache	1937
T. Wayland Vaughan	1938-

Paleontological Society

Siemon W. Muller	1934
Hervy W. Shimer	1934
John R. Ball	1935-
Courtney Werner	1935-38
J. E. Carman	1939-

Association of American Geographers

Charles C. Colby	1934-38
W. Elmer Ekblaw	1934
Guy-Harold Smith	1935-38
E. N. Transeau	1939-
Eugene Van Cleef	1939-

Seismological Society of America

Nicholas H. Heck	1934-37
Harold Edgar McComb	1934
James B. Macelwane	1935-37
Stephen Taber	1938
Wm. T. Thom, Jr.	1938-
John P. Delaney	1939-
L. Don Leet	.....(summer meeting) 1934
Kirtley F. Mather	
.....(summer meeting)	1934

American Geographical Society of New York

W. L. G. Joerg	1934-39
John K. Wright	1934-
O. M. Miller	1940-

Mineralogical Society of America

Paul F. Kerr	1934-
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¹ Special member Executive Committee of the section.

Maryland Academy

* Francis C. Nicholas... 1934-37

Nebraska Academy

N. A. Bengston... 1934
A. L. Lugin... 1938-

Northwest Scientific Association

Otis W. Freeman... 1935-

ZOOLOGICAL SCIENCES (F)

ELECTED BY THE SECTION

William B. Herms... 1931-34
Dwight E. Minnich... 1932-35
Sewall Wright... 1933-36
David H. Wenrich... 1934-37
Paul S. Welch... 1935-38
A. M. Banta... 1936-39
J. H. Bodine... 1937-40
J. William Buchanan... 1938-41
J. T. Patterson... 1939-42
H. H. Plough... 1940-43

ELECTED BY AFFILIATED SOCIETIES

American Society of Zoologists

J. William Buchanan... 1934
* William H. Longley... 1934
J. H. Bodine... 1935
R. A. Budington... 1935
J. E. Ackert... 1936
H. H. Plough... 1936
Dwight E. Minnich... 1937
B. H. Willier... 1937, 1939
H. V. Neal... 1938
A. A. Schaeffer... 1938
C. R. Moore... 1939-
R. K. Burns, Jr... 1940-

Entomological Society of America

John J. Davis... 1934
P. J. Parrott... 1934
T. J. Headlee... 1935-36
C. L. Metcalf... 1935-36
W. B. Herms... 1937
O. A. Johannsen... 1937-38
John J. Davis... 1938-39
C. T. Brues... 1939-
S. E. Flanders... 1940-

*American Association of Economic
Entomologists*

G. M. Bentley... 1934-36
C. H. Hadley... 1934
Alvah Peterson... 1935-38
Leonard Haseman... 1937-38

J. I. Hambleton... 1939-
L. A. Stearns... 1939-

American Society of Parasitologists

George R. LaRue... 1934-36, 1938-
Elery R. Becker... 1937
William A. Riley... 1940-

American Society of Mammalogists

Glover M. Allen... 1934-37
George B. Wislocki... 1934-37
Lee R. Dice... 1938-
Marcus Ward Lyon, Jr... 1938-

*Association for Research in
Human Heredity*¹

Harrison Randall Hunt... 1934
H. H. Laughlin... 1934-
Clarence G. Campbell... 1935-38
Laurence H. Snyder... 1939-

American Society of Naturalists

C. G. Rogers... 1934-37
W. B. Herms... 1936-37
Alfred C. Kinsey... 1938
H. R. Hunt... 1939-

Ecological Society of America

* Joseph Grinnell... 1934
E. B. Powers... 1935
Paul S. Welch... 1936-37
R. E. Coker... 1938
Lee R. Dice... 1939-

Western Society of Naturalists

C. V. Taylor... 1934-35
W. B. Herms... 1936
R. C. Miller... 1937-39
Harry Beal Torrey... 1937-39
James E. Lynch... 1940

American Genetic Association

Hugh C. McPhee... 1934
Sewall Wright... 1935
C. E. Leighty... 1936-37
W. V. Lambert... 1938-

American Microscopical Society

James E. Ackert... 1934-
John E. Gruberlet... 1935
A. M. Chickering... 1936-

Genetics Society of America

E. B. Babcock... 1934

¹ Formerly Eugenics Research Association.

C. W. Metz.....	1935
F. B. Hutt.....	1936
Fernandus Payne.....	1937-38
W. P. Spencer.....	1939
F. B. Hutt.....	1940

Limnological Society of America

Paul S. Welch.....	1936
James G. Needham.....	1937-

*Federation of American Societies
for Experimental Biology*

Andrew C. Ivy.....	1936-38
D. R. Hooker.....	1937-38

Sigma Xi

George Howard Parker.....	1934-35
George A. Baitsell.....	1939-

Phi Beta Kappa

Dwight E. Minnich.....	1935
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American Nature Study Society

Edith Patch.....	1935-36
Alfred Satterthwait.....	1937-

Sigma Delta Epsilon

Nina E. Gray.....	1939
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Alabama Academy

P. H. Yancey.....	1936
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British Columbia Academy

C. McLean Fraser.....	1939
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Georgia Academy

George H. Boyd.....	1936-
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Illinois Academy

Arthur C. Walton.....	1934
Lyell J. Thomas.....	1935-36, 1930-

Indiana Academy

Howard E. Enders.....	1934-
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Kansas Academy

*George E. Johnson.....	1934
Roger C. Smith.....	1936-37, 1939-

Kentucky Academy

Austin R. Middleton.....	1934-
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Louisiana Academy

Ellenor H. Behre.....	1935, 1938
Harry J. Bennett.....	1939
William H. Gates.....	1940

Michigan Academy

Peter Okkelberg.....	1934-35
A. H. Stockard.....	1936
A. Franklin Shull.....	1937-

Minnesota Academy

T. B. Magath.....	1935
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New Hampshire Academy

Walter C. O'Kane.....	1934-37
W. W. Ballard.....	1940-

New Orleans Academy

Ernest C. Faust.....	1934
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North Carolina Academy

Bert Cunningham.....	1936-
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North Dakota Academy

George C. Wheeler.....	1934-
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Northwest Scientific Association

Thomas Large.....	1934-35
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Ohio Academy

Herbert Osborn.....	1934-35
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Oklahoma Academy

A. O. Weese.....	1937-39
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Pennsylvania Academy

T. L. Guyton.....	1934-35
V. Earl Light.....	1936-

St. Louis Academy

A. F. Satterthwait.....	1934-35
Albert Kuntz.....	1936

South Carolina Academy

Franklin Sherman.....	1936
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Texas Academy

S. W. Bilsing.....	1934-
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BOTANICAL SCIENCES (G)

ELECTED BY THE SECTION

Henry Reist Kraybill.....	1931-34
Albert F. Blakeslee.....	1932-35
B. O. Dodge.....	1933-36
A. J. Eames.....	1934-37
F. E. Denny.....	1935-38
E. W. Sinnott.....	1936-39
Neil E. Stevens.....	1937-40
J. M. Beal.....	1938-41
E. N. Transeau.....	1939-42
W. J. Robbins.....	1940-43

ELECTED BY AFFILIATED SOCIETIES

Botanical Society of America

G. J. Peirce	1934
H. L. Shantz	1934
A. F. Blakeslee	1935
C. F. Hottes	1935
J. T. Buchholz	1936
E. N. Transeau	1936
H. H. Bartlett	1937-38
E. J. Kraus	1937-38
Ivey F. Lewis	1939-
Paul B. Sears	1939-

American Phytopathological Society

H. S. Cunningham	1934-37
Neil E. Stevens	1934-36
W. D. Valleau	1937-38
S. A. Wingard	1938-
L. M. Massey	1939-

American Society of Plant Physiologists

D. R. Hoagland	1934
C. J. Peirce	1934
Charles O. Appleman	1935-36
Charles Albert Shull	1935, 1940-
W. H. Horr	1936-

Torrey Botanical Club

B. O. Dodge	1934-35
D. T. MacDougal	1934-35
William Crocker	1936, 1938-39
George H. Shull	1936, 1938
Frederick McAllister	1937
R. J. Pool	1937
J. H. Barnhart	1939-
C. S. Gager	1940-

Mycological Society of America

H. S. Jackson	1935
C. L. Shear	1935
Carroll W. Dodge	1936-39
Fred J. Seaver	1936-39
W. C. Coker	1940-
B. O. Dodge	1940-

American Society of Naturalists

R. E. Cleland	1934-35, 1938-
J. L. Cartledge	1939
W. R. Taylor	1940

Ecological Society of America

*George E. Nichols	1934
H. C. Hanson	1935, 1939-
George D. Fuller	1936-37
H. de Forest	1938

Western Society of Naturalists

D. R. Hoagland	1934-35
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American Genetic Association

A. F. Blakeslee	1934
L. J. Stadler	1935
Hugh C. McPhee	1936-37
C. E. Leighty	1938-

American Microscopical Society

L. H. Tiffany	1934
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Genetics Society of America

R. E. Clausen	1934
C. E. Allen	1935, 1937-38
B. R. Nebel	1936
F. D. Richey	1939
D. C. Cooper	1940-

American Society of Agronomy

J. G. Dickson	1934
T. A. Kiesselbach	1935
T. E. Odland	1936
L. J. Stadler	1937
H. K. Hayes	1938
R. J. Garber	1939
S. T. Dexter	1940-

American Nature Study Society

E. Laurence Palmer	1934
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Phi Kappa Phi

E. D. Merrill	1934-
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Illinois Academy

George D. Fuller	1937-38
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Iowa Academy

Joseph C. Gilman	1934-
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Louisiana Academy

A. G. Plakidas	1936-37
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Minnesota Academy

Harvey Elmer Stork	1934
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Nebraska Academy

C. J. Shirk	1935
J. E. Weaver	1936-37

New Hampshire Academy

George F. Potter	1938-39
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Saint Louis Academy

Carroll W. Dodge	1937-
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South Carolina Academy

Velma D. Matthews..... 1938

West Virginia Academy

Perry D. Strausbaugh...1934-36, 1939-
C R Orton.....1937-38

Wisconsin Academy

N. C. Fassett1937-38
E. M. Gilbert.....1939-

ANTHROPOLOGY (H)

ELECTED BY THE SECTION

Adolph H. Schultz.....1931-34
A. V. Kidder.....1932-35
N. C. Nelson... ..1933-36
William Duncan Strong.....1934-37
*Truman Michelson..... 1935-38
Robert Redfield.....1936-39
Carl E. Guthe.....1937-40
John M. Cooper.....1938-41
Frank Speck.....1939-42
Frank M. Setzler.....1940-43

ELECTED BY AFFILIATED SOCIETIES

American Anthropological Association

E. A. Hooton.....1934-35, 1939
Bruno Oettinger.....1934
Ales Hrdlicka.....1935
Melville J. Herskovits.....1936
Robert J. Terry.....1936
*Truman Michelson.....1937
H. L. Shapiro.....1937
H. B. Collins, Jr.....1938
Leslie A. White.....1938
Cornelius Osgood.....1939-
Clyde Kluckhohn.....1940-

Phi Beta Kappa

Robert H. Lowie.....1934

PSYCHOLOGY (I)

ELECTED BY THE SECTION

Walter R. Miles.....1931-34
Carl C. Brigham.....1932-35
Karl M. Dallenbach.....1933-36
Clark L. Hull.....1934-37
J. F. Dashiell.....1935-38
John P. Nafe.....1936-39
Edward C. Tolman.....1937-40
F. L. Wells.....1938-41
E. A. Culler.....1939-42
Samuel W. Fernberger.....1940-43

ELECTED BY AFFILIATED SOCIETIES

American Psychological Association

Donald G. Paterson.....1934
*Joseph Peterson1934
Walter R. Miles.....1935-
Christian A. Ruckmick1935-38
John A. McGeoch.....1939-

Midwestern Psychological Association

John A. McGeoch.. ..1934
Florence Goodenough1935
A. G. Bills.... ..1936
C. M. Louttit.1937-

*Society for Research in Child
Development*

Robert J. Terry.....1936-

Psychometric Society

Henry E. Garrett1938-

Western Society of Naturalists

Calvin P. Stone.....1936

SOCIAL AND ECONOMIC
SCIENCES (K)

ELECTED BY THE SECTION

*Henry Schultz.....1931-34
Holbrook Working....1932-35, 1936-39
Harold Hotelling.....1933-36
Griffith C. Evans.....1934-37
Carl Snyder.....1935-38, 1939-42
H. G. Moulton.....1937-40
Stuart A. Rice.....1938-41
Stanley Dodge.....1940-43

ELECTED BY AFFILIATED SOCIETIES

Econometric Society

W. A. Shewhart.....1934
Charles F. Roos.....1935-

American Sociological Society

F. Stuart Chapin.....1934-37
George A. Lundberg.....1938-

American Statistical Association

William F. Ogburn.....1934-38
Stuart A. Rice.....1939-

American Library Association

Joseph L. Wheeler.....1934-

HISTORICAL AND PHILOLOGICAL SCIENCES (L)

ELECTED BY THE SECTION

George M. Bolling.....	1931-34
Kemp Malone.....	1932-35
W. B. Munro.....	1933-36
Melville J. Herskovits.....	1934-37
John W. Oliver.....	1935-38
George Sarton.....	1936-39
Max Farrand.....	1937-40
Alexander Pogo.....	1938-41
Henry E. Sigerist.....	1939-42
Tenney L. Davis.....	1940-43

ELECTED BY AFFILIATED SOCIETIES

History of Science Society

F. B. Dains.....	1934-
Joseph Mayer.....	1934-

Linguistics Society of America

*Edward Sapir.....	1934-38
George Herzog.....	1940-

ENGINEERING (M)

ELECTED BY THE SECTION

William E. Wickenden.....	1931-34
Arthur E. Morgan.....	1932-35
*Calvin W. Rice.....	1933-36
A. A. Potter.....	1934-37
C. J. Tilden.....	1935-38
N. H. Heck.....	1936-39
F. L. Bishop.....	1937-40
J. W. Barker.....	1938-41

ELECTED BY AFFILIATED SOCIETIES

American Society of Mechanical Engineers

Ralph Earle	1934
W. S. Monroe.....	1934
John R. DuPriest.....	1935
A. S. Langsdorf.....	1935
George F. Bateman.....	1936
Crosby Field	1936
William A. Hanley.....	1937
G. W. Munro.....	1937
R. F. Gagg.....	1938-
R. L. Sackett.....	1938-

American Institute of Mining and Metallurgical Engineers

W. B. Plank.....	1934
*Albert Sauveur	1934
Paul D. Foote.....	1935
F. N. Speller.....	1935

Harold L. Alling.....	1936
Q. D. Singewald.....	1936
Gustav Egloff	1937
J. R. Van Pelt.....	1937, 1940-
W. M. Corse.....	1938
Frank E. Lathe.....	1938
Oscar E. Harder.....	1939-
John L. Rich.....	1939

American Institute of Electrical Engineers

C. A. Adams.....	1934
Charles Edward Skinner.....	1934
J. M. Bryant.....	1935
A. S. Langsdorf.....	1935
V. Karapetoff	1936
J. B. Whitehead.....	1936
C. C. Knipmeyer.....	1937
R. E. Nyswander.....	1937
Vannevar Bush.....	1938-
H. S. Osborne.....	1938-39
J. W. Barker.....	1940

American Society of Civil Engineers

Charles T. Main.....	1934
Charles P. Price.....	1934
F. S. Merrill.....	1935
Harold A. Thomas.....	1935
F. W. Green.....	1936
Hermann Von Schrenk.....	1936
Ivan E. Houk.....	1937-
Arthur O. Ridgway.....	1937-

Illuminating Engineering Society

E. C. Crittenden.....	1934-
*A. E. Kennelly.....	1934-36
J. W. Barker.....	1937

American Society for Testing Materials

R. E. Davis.....	1934
Hermann Von Schrenk.....	1935-36
C. L. Warwick.....	1937-

American Ceramic Society

Gordon Scott Fulcher.....	1934-36
W. J. McCaughey.....	1937
Ross C. Purdy.....	1938-

Institute of Radio Engineers

J. C. Jensen.....	1934
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Society for the Promotion of Engineering Education

F. L. Bishop.....	1934-35
H. B. Langille.....	1934-35
A. S. Langsdorf.....	1936
O. M. Leland.....	1936

Karl T. Compton.....1937-
R. L. Sackett.....1937-

Institute of Aeronautical Sciences

Jerome C. Hunsaker.....1936-

*American Institute of the City
of New York*

Robert T. Pollock.....1939-

Missouri Academy of Science

A. S. Langsdorf1936-37

MEDICAL SCIENCES (N)

ELECTED BY THE SECTION

Anton J. Carlson.....1931-34
Victor C. Myers1932-35
*George H. Bigelow.....1933-36
Willard C. Rappleye.....1934-37
Walter B. Cannon.....1935-38
Arno B. Luckhardt.....1936-39
Paul R. Cannon.....1937-40
C. A. Doan.....1938-41
E. W. Goodpasture.....1939-42
L. R. Dragstedt.....1940-43

ELECTED BY AFFILIATED SOCIETIES

American Medical Association

*William H. Park1934-38
George M. Piersol.....1934-
Edwin P. Jordan.....1939-

American Association of Anatomists

C. H. Danforth.....1934-35
Davenport Hooker.....1934-35
George W. Corner.....1936
J. Parsons Schaeffer.....1936, 1940-
Burton D. Myers.....1937
Ivan E. Wallin... ..1937
H. E. Jordan.....1938-39
C. C. Macklin.....1938
Eben J. Carey.....1939
Olof Larsell.....1940-

Society of American Bacteriologists

W. H. Manwaring.....1934
Karl F. Meyer.....1934
R. L. Kahn.....1935-37
S. A. Waksman.....1935-36
M. J. Rosenau.....1938-39
Randle C. Rosenberger.....1940-

American Public Health Association

Kendall Emerson.....1934-36
William H. Park.....1934-36

Clair E. Turner.....1937-
Abel Wolman1937-

*Society for Experimental Biology
and Medicine*

Karl F. Meyer.....1934
T. H. Morgan.....1934
E. A. Doisy.....1935
Oscar Riddle1936
McKeen Cattell1936
G. H. A. Clowes.....1937
Ivan E. Wallin.....1937
J. B. Collip.....1938-
H. E. Jordan1938-

American Veterinary Medical Association

Ward Giltner.....1934-

American Roentgen Ray Society

Robert R. Newell.....1934
G. W. Grier.....1935
Leo G. Rigler.....1936
Raymond C. Beeler.....1937
Howard Pirie1938
Robert G. Allison.....1939-

American Academy of Tropical Medicine

Malcolm H. Soule.....1936

*American Division, International
Association for Dental Research*

Thomas J. Hill.....1936-38
Paul C. Kitchin.....1939-

American Pharmaceutical Association

John C. Krantz, Jr.....1934-37
E. F. Kelly.....1938-
Wortley F. Rudd.....1938
Glenn L. Jenkins.....1939-

*American Society for Experimental
Pathology*

E. B. Krumbhaar.....1936-
Shields Warren.....1936-

American Society of Biological Chemists

Vincent du Vigneaud.....1937-
P. A. Shaffer.....1937-

American Physiological Society

Philip Bard.....1937-38
Henry C. Bazett.....1937-38
Frank A. Hartman.....1939-
Walter J. Meek.....1939-

*American Society of Pharmacology
and Experimental Therapeutics*

Charles C. Johnson.....	1937
Harvey B. Haag.....	1938
R. L. Stehle.....	1938
D. E. Jackson.....	1939
M. H. Seevers.....	1939
Charles M. Gruber.....	1940-
A. E. Livingston.....	1940-

*American Academy of Ophthalmology
and Otolaryngology*

Harry S. Gradle.....	1936-
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American Psychiatric Association

Franklin G. Ebaugh.....	1937-38
John C. Whitehorn.....	1939-

*Federation of American Societies for
Experimental Biology*

G. Philip Grabfield.....	1938-
C. Glen King.....	1938-

American Society of Parasitologists

Elery R. Becker.....	1934-36
E. C. Faust.....	1937-39

National Malaria Committee

Mark F. Boyd.....	1940-
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Alabama Academy

Emmett B. Carmichael.....	1934-35
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New Orleans Academy

E. C. Faust.....	1936-
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Virginia Academy

Edgar C. L. Miller.....	1934-
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AGRICULTURE (O)

ELECTED BY THE SECTION

Joseph H. Gourley.....	1931-34
E. C. Auchter.....	1932-35
Walter P. Kelley.....	1933-36
F. J. Sievers.....	1934-37
Emil Truog.....	1935-38
R. M. Salter.....	1936-39
R. J. Garber.....	1937-40
Richard Bradfield.....	1938-41
H. C. Thompson.....	1939-42
W. A. Albrecht.....	1940-43

ELECTED BY AFFILIATED SOCIETIES

American Society of Agronomy

R. M. Salter.....	1934, 1940-
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W. A. Albrecht.....	1935
H. P. Cooper.....	1936
G. W. Conrev.....	1937
Emil Truog.....	1938
F. B. Smith.....	1939

*American Society for Horticultural
Science*

W. H. Alderman.....	1934-37
J. K. Shaw.....	1934-37
C. H. Connors.....	1938
L. H. MacDaniels.....	1938
V. R. Gardner.....	1939
A. J. Heinicke.....	1939-
V. R. Boswell.....	1940-

Society of American Foresters

Harris Collingwood.....	1934
Henry I. Baldwin.....	1935-
C. F. Korstian.....	1937-

*Canadian Society of Technical
Agriculturists*

H. Barton.....	1934-
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American Society of Animal Production

Paul E. Howe.....	1934-37
Elmer Roberts.....	1938-

Society of American Bacteriologists

S. A. Waksman.....	1934-37, 1940-
R. E. Buchanan.....	1938-39

Minnesota Academy

H. K. Wilson.....	1936-
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North Carolina Academy

C. F. Korstian.....	1934-35
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Oklahoma Academy

Horace James Harper.....	1934-36
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South Carolina Academy

G. H. Collings.....	1939
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EDUCATION (Q)

ELECTED BY THE SECTION

Truman Lee Kelley.....	1931-34
Walter S. Monroe.....	1932-35
M. R. Trabue.....	1933-36
Stuart A. Courtis.....	1934-37
A. I. Gates.....	1935-38
Ernest Horn.....	1936-39
E. J. Ashbaugh.....	1937-40
F. B. Knight.....	1938-41

Edward S. Evenden.....1939-42
 S. R. Powers.....1940-43

ELECTED BY AFFILIATED SOCIETIES
National Education Association

Otis W. Caldwell.....1934-
 J. W. Studebaker.....1934-36
 Florence E. Bamberger.....1937-

*National Society of College Teachers
 of Education*

Stuart A. Curtis.....1934-
 F. C. Ensign.....1934-

*National Society for the Study of
 Education*

M. R. Trabue.....1934-36, 1938-
 Guy M. Whipple.....1934-35
 W. S. Gray.....1936
 Frank N. Freeman....1937
 Ralph W. Tyler....1937-

Phi Beta Kappa

William A. Shimer.....1936-

APPOINTED BY AFFILIATED
 ORGANIZATIONS¹

Section on Mathematics.....p. 97
 Section on Physics.....pp. 97-98
 Section on Chemistry.....pp. 98-99
 Section on Astronomy.....p. 99
 Section on Geology and
 Geographypp. 99-100
 Section on Zoological Sciences..pp. 100-101
 Section on Botanical Sciences..pp. 101-103
 Section on Anthropology.....p. 103
 Section on Psychology.....p. 103
 Section on Social and Economic
 Sciencesp. 103
 Section on Historical and
 Philological Sciences.....p. 104
 Section on Engineering.....pp. 104-105
 Section on Medical Sciences..pp. 105-106
 Section on Agriculture.....p. 106
 Section on Education.....pp. 106-107

¹ Members of the Council elected or appointed by the Affiliated Societies, under the provision of Article 5 of the Constitution (page 61), are *ex officio* members of the Section Committees of the respective sections in whose fields their principal scientific interests lie.

RESOLUTIONS PASSED BY THE COUNCIL, 1934-1940

RESOLUTION FOR CONTINUANCE OF SCIENTIFIC WORK IN THE GOVERNMENT BUREAUS

Adopted by the Council, April 15, 1934

WHEREAS, The American Association for the Advancement of Science, comprising with affiliated American scientific societies a membership of a quarter of a million, exists because its members are convinced of the importance to America of the advancement of science and its useful applications in this country;

WHEREAS, The Bureau of Standards plays an essential and unique role in supplying American scientists with technical data and methods concerned with materials, measurements and standards which are essential to the progress of science and not otherwise available;

WHEREAS, This and other scientific bureaus of the Federal Government represent a great capital investment of money, work and scientifically trained men, as well as a prolific source of those elements essential to the national prosperity and welfare of the future;

WHEREAS, The permanent importance to this country of the continued work of the scientific bureaus maintained by the Federal Government is relatively far greater than the half of one per cent of the Federal budget allotted to these scientific bureaus would imply;

WHEREAS, The recent cuts in appropriation to these bureaus have crippled their work and disorganized their staffs so seriously as to impair their service and in large measure destroy that capital investment of money, work and men on which the future technical progress of the country depends; and

WHEREAS, A large part of the budgetary savings effected by these curtailments are false economies in that (1) the investment in some earlier work is lost, (2) some essential work is continued in a less efficient manner, (3) many former members of staffs of these bureaus are now maintained at government expense on emergency Federal projects of far less value and with far lower efficiency than that of the work from which they were dropped in the economy program and (4) the technical effectiveness of the country is receiving a blow from which it will take years at best to recover; therefore be it

RESOLVED, That the attention of those responsible for the administration of the federal affairs be called to these unfortunate aspects of the present situation in the scientific bureaus of the Government, and that they be requested to provide adequately for the continuation of such scientific work as is, in the opinion of qualified scientists and technical experts, essential to the national prosperity and not capable of or appropriate for efficient continuation by non-governmental agencies; and be it further

RESOLVED, That copies of this resolution be sent to the President of the United States, to the members of his Cabinet, to the Director of the Budget and to the Members of Congress, and that it be published in the official organ of this Association.

RESOLUTION REAFFIRMING THE RELATION OF THE AMERICAN ASSOCIATION
FOR THE ADVANCEMENT OF SCIENCE TO HUMAN WELFARE

Adopted by the Council, December 29, 1934

WHEREAS, The objective of science is knowledge of man and of the world in which he lives; and

WHEREAS, Upon this knowledge is based man's opportunity to live more intelligently, to work more effectively and to experience greater comfort and satisfaction; and

WHEREAS, The justification of the work and purposes of the American Association for the Advancement of Science is found in the contributions of this work to human welfare; and

WHEREAS, The American Association for the Advancement of Science, founded in 1848 and incorporated in 1874, with its 18,000 members and 141 associated societies covering the entire field of pure and applied science including sociology, economics and education, and with its administrative offices in the Smithsonian Institution of Washington has been and is well and permanently organized to administer funds for the advancement of science; therefore be it

RESOLVED, That the American Association for the Advancement of Science is prepared to accept and administer additional funds for the advancement of science and the promotion of national welfare.

RESOLUTION FOR GOVERNMENTAL SUPPORT OF SCIENTIFIC WORK

Adopted by the Council, December 29, 1934

WHEREAS, Development and application of science have been basic to the economic and social progress of nations, making possible such movements as universal education, abolition of child labor and slavery, emancipation of women, insurance and pensions, moderate hours of labor and great improvement in the standards of health, comfort and satisfaction in living; and

WHEREAS, Scientific developments have not only conferred general social benefits, but in particular have been largely effective in leading to recovery from previous depressions,—as the railroad industry following the depression of 1870, the electric industry following that of 1896 and the automobile industry following that of 1907; and

WHEREAS, Scientific research is a productive investment proven by experience to yield a high rate of return, as illustrated by the saving of \$2,000,000,000 per year from the Bessemer Steel process and of over \$1,000,000 per day from the modern incandescent lamp, and as illustrated also by the entire chemical, electrical, communication, transportation and metallurgical industries and by the enormous employment in such industries; and

WHEREAS, Progressive foreign nations have recognized the importance of maintaining their scientific strength at a high productive level and have provided for this maintenance by allocation of funds to support scientific work on a national scale; and

WHEREAS, There now exists in America a situation demanding as never before an intelligent use of our national resources; and

WHEREAS, There are manifold problems in health, safety, agriculture, better use of resources, development of new products and processes whose social value and urgent need are unquestioned but whose solution is being seriously hampered by lack of funds for research, which have been greatly curtailed at this time when properly directed scientific work is more than ever needed; and

WHEREAS, The great national planning program, which is now under consideration for the use of our physical resources of soil, minerals and crops, will be seriously deficient unless it includes provisions for utilizing the scientific resources of the country for creative work; therefore be it

RESOLVED, That aggressive governmental support of scientific work is essential to any sound program of building for the future national welfare, and is essential if this country is to do its full part in the further advance of civilization and if it is to enjoy its proper share in the benefits of this advance; and be it further

RESOLVED, That copies of this resolution be sent to the President of the United States, to the members of his Cabinet and to the members of the Congress.

RESOLUTION OF APPROVAL OF AN ADEQUATE UNITED STATES BOTANICAL GARDEN

Adopted by the Council, December 31, 1934

RESOLVED, By the Council of the American Association for the Advancement of Science, that the efforts now being made to establish at Washington, D. C., an adequate United States Botanical Garden under effective scientific control be heartily approved.

RESOLUTION RECOMMENDING THE ADOPTION OF LEGISLATION ADEQUATE TO CONTROL POLLUTION OF PUBLIC WATERS

Adopted by the Council, December 31, 1934

WHEREAS, The degree of control of pollution of coastal and inland waters by domestic and industrial wastes which is essential for public health and national welfare has not yet been achieved and cannot be without further development and coordination of federal, state and local authority;

THEREFORE, Be it resolved that the American Association for the Advancement of Science, meeting at Pittsburgh, urgently recommend the enactment of legislation adequate to control pollution of public waters.

RESOLUTION FOR A CAREFUL AND SANE REVISION OF THE PURE FOOD AND DRUG ACT

Adopted by the Council, December 31, 1934

RESOLVED, That the American Association for the Advancement of Science with more than 18,000 members and 141 associated societies and academies representing a total membership of more than 725,000 feels that there is a real need for a careful and sane revision of the Pure Food and Drug Act, which has served so effectively over a long period of time.

It seems reasonable and desirable that cosmetics should be included in any new bill which is presented, and that in order to safeguard adequately public health and public welfare, manufacturers, their salesmen or other agents, should be allowed to use in their advertising, printed, broadcasted or otherwise, only such statements as are not misleading and are essentially in accordance with fact.

RESOLUTION ON THE USE OF DOGS FOR MEDICAL EXPERIMENTATION
IN THE DISTRICT OF COLUMBIA

Adopted by the Council, December 31, 1930; Reaffirmed December 31, 1934

The American Association for the Advancement of Science, which has repeatedly recorded its protest against the enactment of legislation prohibiting animal experimentation for scientific and medical purposes, hereby protests against the passage of House Bill 7884 in the present Congress prohibiting the use of dogs for medical experiments in the District of Columbia.

The circumstances under which this bill was favorably reported, as set forth in the minority report, make abundantly clear that this bill should be recommitted to the Committee on the District of Columbia for full and proper consideration by the members and for adequate presentation of objections by opponents of the bill.

This Association is in accord with the practically unanimous and often expressed authoritative voice of science and medicine that animal experimentation has conferred inestimable benefits upon mankind, as well as upon animals themselves, and is essential to the progress of the biological and medical sciences.

The history of medical discovery affords countless examples of the necessity for the use of dogs in certain kinds of experiments, as may be illustrated by the experiments leading to the recent discoveries of insulin in the treatment of diabetes and of liver extract in the treatment of pernicious anaemia.

The conditions under which animal experimentation is conducted in the government and medical laboratories in the District of Columbia afford every safeguard against the infliction of unnecessary suffering upon the animals.

No legislation of the character proposed in this bill has ever been enacted in spite of the efforts of antivivisectionists in this country and abroad for many years.

This Association with a membership of over nineteen thousand, and representative of all the sciences of nature and of man, is confident that if the members of Congress become fully informed of the injury which would be inflicted upon the progress of curative and preventive medicine by such legislation, H. R. Bill 7884 will not receive their favorable consideration.

RESOLUTION FOR THE CONTINUANCE IN THE DEPARTMENT OF
AGRICULTURE OF THE LAND UTILIZATION AGENCIES

Adopted by the Executive Committee by Authority of the Council, December 31, 1934

RESOLVED, By the American Association for the Advancement of Science, that any reorganization of the United States Government agencies should provide for the continuance in the Department of Agriculture of the land utilization agencies now there, including the Bureau of Chemistry and Soils, Forest Service, Biological Survey, and the addition of such other agencies as have to do with the agricultural, forest, or range use of the public domain or the protection thereof from erosion.

RESOLUTION ON THE UNITED STATES FOREST SERVICE AS A PART OF THE
UNITED STATES DEPARTMENT OF AGRICULTURE

Adopted by the Executive Committee by Authority of the Council, December 31, 1934

RESOLVED, By the American Association for the Advancement of Science, that any governmental reorganization planned should provide that the United States Forest Service remain, as at present a part of the United States Department of Agriculture.

RESOLUTION ON THE SCIENCE ADVISORY BOARD APPOINTED BY THE PRESIDENT OF THE UNITED STATES

Adopted by the Executive Committee by Authority of the Council, December 31, 1934

RESOLVED, That the Council of the American Association for the Advancement of Science, with more than 18,000 members and 141 associated societies and academies representing a total membership of more than 725,000, appreciates the judgment of the President of the United States in appointing a Science Advisory Board and hopes that all problems of the Government involving scientific problems be referred to this Board for its recommendation before action is taken.

RESOLUTION APPROVING AND ENDORSING THE PROGRAM OF THE QUETICO-SUPERIOR COUNCIL

Adopted by the Executive Committee by Authority of the Council, June 28, 1935

RESOLVED, That the Council of the American Association for the Advancement of Science, meeting in Minneapolis, June 24 to 29, 1935, reaffirms its previous action in approving and endorsing the program of the Quetico-Superior Council.

The project of an international park, sponsored by that organization, if carried through, will preserve for all time the scientific, recreational, and inspirational values of a unique wilderness area and will, at the same time, constitute a close link between two friendly nations.

RESOLUTION ON CALENDAR REFORM

Adopted by the Executive Committee by Authority of the Council, December 30, 1935

WHEREAS, This association is already on record as approving a simplification of the calendar; and

WHEREAS, The League of Nations in 1931 proposed two plans for serious consideration: one, the 13-month plan; the other, the 12-month equal-quarters plan known as the World Calendar; and

WHEREAS, The 12-month equal-quarter plan has the advantages of a minimum of disturbance of the present system and greater flexibility in subdivision of the year; be it therefore

RESOLVED, That the American Association for the Advancement of Science hereby approves the 12-month equal quarters plan for the simplification of the calendar.

A RESOLUTION ON SIMPLIFICATION OF PATENT PROCEDURE

Adopted by the Executive Committee by Authority of the Council, December 31, 1935

WHEREAS, The progress of science has greatly elevated the standard of living of the

American people, and given useful employment to millions; and

WHEREAS, For greatest benefit the applications of science in industry should be facilitated and encouraged; and

WHEREAS, The founders of this Republic instituted a patent system to encourage progress in science and useful arts, which has been a powerful aid in this respect, and which should be strengthened and maintained; and

WHEREAS, The increasing complexity of science and its applications places a great burden upon the patent office and the courts in their administration of the patent system; and

WHEREAS, The Science Advisory Board has recommended alterations in the patent system to enable it to operate more effectively for the benefit of the American inventor and the American public, which recommendations contemplate simplification of the process of litigation, scientific and technical advice to courts in the consideration of patent matters, and steps to raise the standard of invention,

NOW, THEREFORE, Be it resolved, that this Council expresses the readiness of the scientific men of this country to aid in worthy moves to render the Patent System of greatest benefit to the American Public; and

That this Council endorses the recommendation of the Science Advisory Board that the processes of patent litigation be simplified, in order that expense and delay may be reduced, by prompt, enlightened decision of patent cases by a single Court of Patent Appeals; and

That this Council endorses also the recommendation that adequate scientific and technical advice, on a high plane, be made available to this court and to all courts dealing with the intricate technical problems involved in modern patent cases; and

That this Council endorses the principle that the standard of invention should be raised, and recommends careful attention to this problem on the part of those charged with the administration of the Patent Office.

A RESOLUTION ON INTERNATIONAL BIOLOGICAL ABSTRACTS

Adopted by the Executive Committee by Authority of the Council, December 30, 1935

WHEREAS, The American Association for the Advancement of Science has cooperated with the National Academy of Sciences and the National Research Council in the organization and development of International Biological Abstracts through the Union of Biological Societies; and

WHEREAS, Great progress has been made in the development of international cooperation among biologists in support of this project; and

WHEREAS, The Rockefeller Foundation has generously aided this project since its beginning ten years ago and has expressed its hearty satisfaction and approval of the work thus far accomplished;

WHEREAS, The results of a decade of intensive and largely gratuitous work by many biologists represented by the ten volumes of abstracts now nearing completion constitute one of the most noteworthy achievements of the Foundation;

THEREFORE, The Council of the American Association for the Advancement of Science, with its 152 associated societies representing more than one-half a million men and women of science, both in this country and abroad, urges that every possible effort be made to continue this highly important and significant undertaking and hopes that the Rockefeller Foundation will find it possible to provide for permanent continuation of International Biological Abstracts.

A RESOLUTION CONCERNING UNAUTHORIZED USE OF THE NAME OF
THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
AND CONCERNING SCIENTIFIC ETHICS AND GOOD TASTE

Adopted by the Executive Committee by Authority of the Council, December 30, 1935

RESOLVED, That the American Association for the Advancement of Science does not allow the unauthorized use of its name by any individual in connection with any type of promotional enterprise or advertising. Furthermore, this Association deplores certain tendencies of some individuals and organizations to exploit science for the purposes of gain through the public press, radio, and other forms of publicity in a manner not consistent with fundamental scientific ethics and good taste.

A RESOLUTION ON SAVE-KENTUCKY'S-PRIMEVAL-FOREST-LEAGUE

Adopted by the Executive Committee by Authority of the Council, January 1, 1936

The Council of the American Association for the Advancement of Science approves the formation of unofficial councils of representative citizens, such as "Save-Kentucky's-Primeval-Forest-League" with the objective of securing local, state, or federal action in the preservation of important examples of America's diverse types of vegetation with their accompanying fauna. These areas should be carefully selected with competent scientific advice and preserved either through local, state, or national agencies.

A RESOLUTION ON THE DUTCH ELM DISEASE

Adopted by the Executive Committee by Authority of the Council, January 2, 1936

RESOLVED, That the Council of the American Association for the Advancement of Science strongly endorses the efforts of Federal and State agencies to prevent the introduction of plant diseases and injurious insects from other countries and to combat most vigorously such diseases and injurious insects as have already entered the United States, especially at this time, the Dutch Elm Disease.

A RESOLUTION ON THE PROBLEMS OF PLANT QUARANTINES

Adopted by the Executive Committee by Authority of the Council, January 2, 1936

RESOLVED, That the American Association for the Advancement of Science endorses the resolution of the Sixth International Botanical Conference held at Amsterdam, Holland, as follows:

That an effective and unceasing campaign against destructive plant diseases and insect pests can be successfully prosecuted only by international action and mutual cooperation;

That close and frequent international discussion of the problems of plant quarantines should take place to bring about improvement of the health conditions of plants and plant products offered for export;

That it unanimously recognizes that such action will greatly facilitate international trade in the commodities concerned; and

That, finally, this resolution be brought to the attention of the League of Nations, em-

phatically endorsing the League's proposal to give this matter urgent and careful consideration with a view to facilitating and expediting the purpose and aims of this resolution.

A RESOLUTION ON THE PAN-AMERICAN INSTITUTE OF GEOGRAPHY AND HISTORY

Adopted by the Executive Committee by Authority of the Council, June 16, 1936

Inasmuch as the Pan-American Institute of Geography and History has undertaken to study and promote the protection of those natural areas in the Americas which represent unique present and future scientific, economic, intellectual, or spiritual values; and

Inasmuch as a committee has been appointed by the Pan-American Institute to establish and maintain contacts with the various governments in the Americas which through their representatives have approved the resolution;

BE IT RESOLVED, That the American Association for the Advancement of Science hereby records its approval of this plan and pledges its support in all feasible ways to the achievement of its purpose.

A RESOLUTION ON THE MAINTENANCE OF THE HIGHEST STANDARDS IN THE SYSTEM OF NATIONAL PARKS OF THE UNITED STATES

Adopted by the Council, December 28, 1927; reaffirmed June 25, 1937

RESOLVED, That the American Association for the Advancement of Science

Approves the creation of those national parks only which meet the highest standards of the System, namely, which are wholly or almost wholly areas of original, unmodified natural conditions, each a unique example of its landscape or geologic type in the country; and

Declares that, as the only reservational system for preservation of the primitive and majestic in nature, the protection inviolate of the system of national parks demands extraordinary watchfulness and care; and

Recognizes that, by reason of its peculiar limitations and conditions, the system of national parks possesses facilities for popular education in nature and for inspiration, which have incalculable value to individuals and the nation.

RESOLUTION FOR THE CONTINUANCE IN THE DEPARTMENT OF AGRICULTURE OF THE LAND UTILIZATION AGENCIES

Adopted by the Council, December 29, 1937

RESOLVED, That the American Association for the Advancement of Science reaffirm its position on the status of federal land utilization agencies as expressed in the resolution adopted at its Pittsburgh meeting in December, 1934, namely:

That any reorganization of United States Government agencies should provide for the continuance in the Department of Agriculture of the land utilization agencies now there, including the Bureau of Agricultural Economics, Bureau of Chemistry and Soils, Soil Conservation Service, Forest Service, Bureau of Biological Survey, and the addi-

tion of other agencies concerned with renewable resources, such as the agricultural, forest, or range use of the public domain or the protection thereof from erosion.

Be it further resolved that all positions in these Bureaus should be retained under the existing Classified Civil Service without exception, because of their policy-determining nature.

A RESOLUTION ON THE PRESERVATION OF YELLOWSTONE NATIONAL PARK

Adopted by the Executive Committee by Authority of the Council, December 31, 1937

WHEREAS, A proposal has been laid before the National Resources Committee of the United States Government that plans be prepared for the commercial utilization of the waters of Yellowstone Lake, situated in Yellowstone National Park;

WHEREAS, Operations incident to such utilization would inevitably result in destroying or irreparably damaging many of the most unique and significant primeval, scenic and recreational features of the Park;

WHEREAS, Yellowstone National Park was established by act of Congress "for the benefit and enjoyment of the people"; and

WHEREAS, That act specifically pledged the Nation to protect from injury or spoliation all timber, mineral deposits, natural curiosities and wonders within the Park and to provide for their retention in natural condition; now

THEREFORE, The American Association for the Advancement of Science hereby places on record its unqualified disapproval and unalterable opposition to each and every project that might threaten to injure Yellowstone National Park in any way whatsoever;

The American Association for the Advancement of Science also appeals to the National Resources Committee, as well as to all other government agencies and officers concerned in the control of Yellowstone National Park, and urges the prompt rejection of all such projects, to the end that the nation's pledge shall be kept and this magnificent primeval area with its many unique features shall be preserved inviolate for coming generations.

RESOLUTION ON THE IMPORTANCE OF ANIMAL EXPERIMENTATION IN THE STUDY OF DISEASES

Adopted by the Council, December 30, 1937

The American Association for the Advancement of Science, recognizing the important role of animal experimentation in the study of diseases, especially those of childhood, and in the perfecting of those procedures and treatments to which no small part of our community owes its life and continued presence among us, regards with apprehension the activities of certain groups which are attempting to prevent the use of unclaimed animals for study in qualified institutions of medicine and research and which are endeavoring by direct and indirect means to cut off the supply of animals needed in the production of antitoxins and other biologic products.

This Association is in accord with the practically unanimous and often expressed authoritative voice of science and medicine that animal experimentation has conferred inestimable benefits upon mankind, as well as upon animals themselves, and is essential to the progress of the biological and medical sciences.

This Association, with a membership of over eighteen thousand and representative of all the sciences of nature and of man, is confident that a fully informed public will not support legislation which would seriously interfere with the progress of preventive and curative medicine.

RESOLUTION ON SCIENCE AND SOCIETY

Adopted by the Council, December 30, 1937

WHEREAS, Science and its applications are not only transforming the physical and mental environment of men but are adding greatly to the complexities of their social, economic and political relations; and

WHEREAS, Science is wholly independent of national boundaries and races and creeds and can flourish permanently only where there is peace and intellectual freedom; now

THEREFORE, Be it resolved by the Council on this 30th day of December, 1937, that the American Association for the Advancement of Science makes as one of its objectives an examination of the profound effects of science upon society; and that the Association extends to its prototype, the British Association for the Advancement of Science, and to all other scientific organizations with similar aims throughout the world, an invitation to cooperate not only in advancing the interests of science but also in promoting peace among nations and intellectual freedom in order that science may continue to advance and to spread more abundantly its benefits to all mankind.

RESOLUTION ON THE COOPERATION OF INDUSTRIES AND INDUSTRIAL LABORATORIES WITH OTHER LABORATORIES AND RESEARCH ORGANIZATIONS

Adopted by the Executive Committee by Authority of the Council, June 27, 1938

RESOLVED, That, in order to bring industries and industrial laboratories into closer relations with other laboratories and research organizations for the purpose of advancing the interests of science, the American Association for the Advancement of Science now formulates and adopts the following plan:

The Association, upon recommendation of its Executive Committee and approval by its Council, will accept and administer funds given in support of specific researches in designated laboratories or research organizations, under the condition that, if the investigations supported by the funds shall lead to patentable inventions or discoveries, the investigators shall take out and assign to the Association patents on the inventions or discoveries at the expense of the respective donors of the funds; and the Association will either assign the patent subject to usual and reasonable royalties, to the donor of the funds (or grant the donor of the funds an exclusive license under the patent or patents), subject to usual and reasonable royalties, (such exclusive license to be in no case for a period of less than three years from date on which the patent is granted or the product is marketed, whichever is the later date.) The Association will use any royalties so received in the support of such research as it may determine, and it reserves the right to waive the royalties whenever it deems such action to be in the public interest in the use of the products or processes covered by the patents which it assigns.

RESOLUTION ON HONORARY JUNIOR MEMBERSHIP

Adopted by the Council, June 28, 1938

RESOLVED, That the officers of the Association be authorized and instructed to offer to each of the affiliated Academies of Science the privilege of nominating for annual Honorary Junior Membership in the Association one boy and one girl from its junior academy or, if it has no junior academy, from junior science clubs within its territory; and that the Association in thus providing for Honorary Junior Memberships shall arrange that during the period of honorary membership the honorary junior member shall pay no entrance fee or dues, shall receive a suitable certificate of membership, the four copies of Science containing the preliminary announcements and reports of the meetings, the programs of the meetings; and also Science News Letter provided through the courtesy of Science Service.

RESOLUTION SUPPORTING THE HOLDING OF INTERNATIONAL CONGRESSES

Adopted by the Council, June 27, 1938

WHEREAS, The American Association for the Advancement of Science, realizing the fact that the holding of International Congresses or meetings for the purpose of discussing science and human welfare serves fundamentally to advance understanding among the nations, hereby approves in principle lending its influence and support to further the plans of such congresses or meetings when arranged or sponsored by any of its affiliated societies or other organizations of corresponding standing.

RESOLUTION IN MEMORIAL TO EARL BALDWIN MCKINLEY

Approved by the Council, December 27, 1938

In the death of Earl Baldwin McKinley science in America suffered an irreparable loss. When on July 29 the Hawaiian Clipper disappeared in the China Sea, it brought to a tragic and untimely end the life of this able and devoted worker who had rendered signal services in his own country and in distant lands to the advancement of science and to the conquest of disease.

Trained in arts and medicine at the University of Michigan by distinguished teachers and investigators, McKinley was drafted into the faculty of the university even before he had received the medical degree. Rapidly new opportunities offered themselves to him. Research in the tropics of Orient and Occident made him familiar at first hand with the great plagues of man. A keen observer and able interpreter, he promptly won recognition and support for his research projects. With breadth of vision granted only to the few, he sensed intuitively the significant lines of attack on great problems in bacteriology, tropical medicine and public health.

While he gave distinguished services to several universities in this country, he spent a large part of a short but eventful life in the tropics; and only a year ago returned from a sabbatical year devoted to experimental work on leprosy. His last great venture sought to determine the influence of upper air currents in the transportation and dispersal of disease germs. Suddenly with the epoch making flight westward nearly completed, and in the company with another distinguished scientist and member of the American Association, Fred C. Meier, some unknown disaster closed the record. In

sight of success he went down to glorious defeat in the great struggle of the human race for freedom from the bondage of disease.

A loyal friend, a genial and vigorous fighter for high ideals, never turned from his purpose by narrow criticism, animated by the constant desire to make the world he knew a better place to live in, McKinley left his mark on many undertakings in science, education and social advancement. The Executive Committee of the American Association for the Advancement of Science, to the work of which he had unselfishly and generously devoted much time and energy, wishes through this tribute to bear testimony to his services for the cause of science and for the welfare of man. All his fellow workers wish to join also in expressing to his family heartfelt sympathy and condolence.

RESOLUTION ON THE COOPERATION OF THE SMITHSONIAN INSTITUTION

Adopted by the Council, December 29, 1938

The American Association for the Advancement of Science at its annual meeting in Richmond places on record its appreciation of the cooperation of the Smithsonian Institution and of its distinguished secretaries, the late Charles D. Walcott and the present secretary, Dr. C. G. Abbot. The Smithsonian Institution has since 1907 provided rooms in its building for the headquarters of the Association, free of all charge for rent or incidental expenses, and in December, 1928, increased the space to meet the growing needs of the Association.

The Association may look forward to a building of its own which might provide headquarters also for the national scientific societies affiliated with it; but this will require large funds. In the meanwhile the Association is most fortunate in its present location and address. The Smithsonian Institution is a national and international foundation, unique in its origin, its control and its history. On its seal its objects are stated in the classic words: "For the increase and diffusion of knowledge among men." The objects of the American Association for the Advancement of Science are the same; these great organizations can to advantage work together for their attainment.

RESOLUTION ON THE MENACE OF STREAM POLLUTION

Adopted by the Council, December 30, 1939

The menace of stream pollution has already been given careful consideration and the American Association for the Advancement of Science has expressed its views that any legislation should include provision for reasonable control by constituted authority. At present the Mundt bill as amended is the only measure yet proposed which conforms to that consideration.

RESOLUTION OF APPRECIATION TO THE NATIONAL ASSOCIATION OF SCIENCE WRITERS

Adopted by the Council, December 30, 1939

The Council of the American Association for the Advancement of Science expresses its obligation and appreciation to The National Association of Science Writers. By the efforts of its members to disseminate through the newspapers accurate news of

progress in all fields of science this organization has become a most important agency in changing the picture of science in the public mind, and is performing a distinctive service to science and the public.

The services of this specially trained group of men and women are unique in the history of journalism and of popular education. Their efforts in bringing before the attention of the world the proceedings of the annual summer and winter meetings of the American Association for the Advancement of Science, as well as of the proceedings of other scientific bodies, have proved not only of great value to the public but also to the scientists themselves individually and collectively.

The National Association of Science Writers is keenly aware of the importance of Science as the greatest potential force for the betterment of man, and has worked untiringly to make the scientists themselves aware of their social responsibility as the builders of man's future. By keeping the world at large constantly informed of the important developments in pure and applied science they accomplish a three-fold purpose—spread knowledge to the millions, materially reduce the lag between discovery and application, and give greater impetus to research.

SUMMARIZED PROCEEDINGS

For the Calendar Year 1934

Volume LXXXVII

SUMMARIZED PROCEEDINGS FOR 1934

The Association held two meetings in the calendar year 1934, a joint meeting with the Pacific Division at Berkeley, Calif., June 17-20, and the annual meeting at Pittsburgh, Pa., Dec. 27, 1934 - Jan. 2, 1935. The Pacific Division had previously met in Berkeley twice, in 1921 and in 1929. The Association had held two earlier meetings in Pittsburgh, the first in 1902 and the second in 1918. The Southwestern Division held a joint meeting with the Texas Academy of Science at Lubbock, Texas, April 30 - May 3, 1934.

At the Berkeley meeting the registration was 1164 and 863 addresses and papers were on the programs; at Pittsburgh 2823 persons were registered and 1550 addresses and papers were delivered or read. At the close of the fiscal year 1934 (Sept. 30) the membership of the Association was 18,553; of the Pacific Division, 1856; and of the Southwestern Division, 258.

OFFICERS OF THE ASSOCIATION FOR 1934

President. Edward L. Thorndike (psychology), Columbia University.

Retiring President. Henry Norris Russell (astronomy), Princeton University.

Permanent Secretary. Henry B. Ward, University of Illinois.

General Secretary. Burton E. Livingston, Johns Hopkins University.

Treasurer. John L. Wirt, Washington, D. C.

Secretary of the Council. Charles A. Shull, University of Chicago.

Executive Assistant. Sam Woodley, Washington, D. C.

Auditor. W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

Director of Press Service. Austin H. Clark, National Museum, Washington, D. C.

Director of the Annual Science Exhibition. F. C. Brown, Washington, D. C.

Members of the Executive Committee (page 95)

Members of the Finance Committee (page 95)

Members of the Committee on Grants (page 95)

Members of the Council (pages 95 and 92-94)

Section Officers (pages 92-94)

OFFICERS OF THE PACIFIC DIVISION

(For the fiscal year June, 1933 - June, 1934)

President. Joel H. Hildebrand (chemistry), University of California.

Secretary. J. Murray Luck, Stanford University, Calif.

Council Representative. E. G. Martin, Stanford University, Calif.

OFFICERS OF THE SOUTHWESTERN DIVISION

(For the fiscal year April, 1933 - April, 1934)

President. Oliver C. Lester (physics), Colorado Carnotite Company.

Secretary. E. F. Carpenter, University of Arizona, Tucson, Ariz.

Council Representative. Forrest Shreve, Desert Laboratory, Tucson, Ariz.

THE BERKELEY MEETING, JUNE 18-23, 1934

(The 94th meeting of the Association and the 18th meeting of the Pacific Division)

OFFICERS OF THE LOCAL COMMITTEE

R. E. Clausen, *chairman*; A. R. Davis, *secretary*; L. A. Nichols, *treasurer*

PARTICIPATING SOCIETIES

Affiliated with Section on Mathematics

American Mathematical Society (14 + 4 papers¹)

Affiliated with Section on Physics

American Physical Society (53 + 5 papers)

American Meteorological Society (37 papers)

Affiliated with Section on Chemistry

American Chemical Society, Pacific Intersectional Division (53 papers)

Phi Lambda Upsilon

Affiliated with Section on Astronomy

Astronomical Society of the Pacific (40 + 5 papers)

Society for Research on Meteorites (11 papers)

Affiliated with Section on Geology and Geography

Committee on the Oceanography of the Pacific

Affiliated with Section on Zoological Sciences

Western Society of Naturalists (39 + 14 papers)

American Society of Ichthyologists and Herpetologists, Western Division (15 papers)

American Association of Economic Entomologists, Pacific Coast Branch (41 + 13 papers)

¹ The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Entomological Society of America (5 papers)
American Society of Parasitologists (8 + 6 papers)
Pacific Coast Entomological Society (0 + 5 papers)
Lorquin Entomological Club (0 + 5 papers)
Committee on the Oceanography of the Pacific
San Francisco Aquarium Society (5 papers)

Affiliated with Section on Botanical Sciences

Botanical Society of America (16 + 46 papers)
American Phytopathological Society, Pacific Division (40 papers)
American Society of Plant Physiologists (0 + 32 papers)

Affiliated with Sections on Zoological and Botanical Sciences

Genetics Society of America (14 + 5 papers)
Ecological Society of America (13 papers)

Affiliated with Section on Anthropology

American Anthropological Association, Pacific Division (36 papers)

Affiliated with Section on Psychology

Western Psychological Association (68 + 3 papers)

Affiliated with Section on Social and Economic Sciences

Econometric Society (0 + 18 papers)
American Statistical Association (0 + 8 papers)
Western Farm Economic Association (17 papers)

Affiliated with Section on Historical and Philological Sciences

History of Science Society (0 + 10 papers)
Linguistic Society of America (0 + 10 papers)

Affiliated with Section on Engineering

American Society of Mechanical Engineers (42 papers)
American Geophysical Union, Hydrology Section, and
American Society of Agricultural Engineers, Pacific Coast Section (13
papers)
Western Inter-State Snow Survey Conference (7 papers)

Affiliated with Section on Medical Sciences

Society for Experimental Biology and Medicine, Pacific Coast Branch
(23 papers)
California State Veterinary Medical Association (11 + 8 papers)

Affiliated with Section on Agriculture

Western Society of Soil Science (31 papers)

American Society of Agronomy, Western Branch (17 + 7 papers)

GENERAL SESSIONS

Joel H. Hildebrand, University of California. "The Liquid State." (Address as president of the Pacific Division.)

L. Dudley Stamp, London School of Economics. "Planning the Land of the Future." (Third Hector Maiben Memorial lecture.) *Science* 80: 507-512. 1934.

J. C. Merriam, president of Carnegie Institution of Washington. "Responsibility of Science with Relation to Government Problems." *Science* 80: 597-601. 1934.

Edwin B. Wilson, Harvard School of Public Health. "Are There Periods in American Business Activity?" *Science* 80: 193-199. 1934.

Karl T. Compton, president of Massachusetts Institute of Technology. "Science and Prosperity." *Science* 80: 387-394. 1934.

SYMPOSIA

"Nuclear Structure" (6 papers). American Physical Society.

"Fundamental Physical Constants" (6 papers). American Physical Society.

"The Protozoan Life Cycle" (4 papers). The Western Society of Naturalists.

"The Origin and Development of North Pacific Floras" (7 papers). Section on Botanical Sciences.

"A Survey and Evaluation of the Present Status of Endocrine Investigations" (3 papers). Section on Medical Sciences.

"Can Personality Be Measured?" (9 papers). Western Psychological Association and Section on Education.

"Weed Control" (7 papers). Section on Agriculture and American Society of Agronomy.

"Phosphate" (7 papers). Western Society of Soil Science.

"Investigations Bearing on Reading" (4 papers); "Investigations in Subjects Other Than Reading" (4 papers); "Investigations Bearing on Maturation" (3 papers); "Investigations Bearing on Leadership and Responsibility in Schools" (4 papers); "Investigations Bearing on Guidance" (3 papers). Section on Education.

ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Announcements and Notices. *Science* 79: 396-402, 406, 499-500, 519, 536. 1934.

Permanent Secretary's general report, including reports of secretaries of the sections and of the participating societies. Science 80: 43-62. 1934.

Willis Ray Gregg. "Progress in Development of the United States Weather Bureau Service in Line with the Recommendations of the Science Advisory Board." Science 80: 349-351. 1934.

THE PITTSBURGH MEETING, DEC. 27, 1934 - JAN. 2, 1935

(The 95th meeting of the Association and its 3d meeting at Pittsburgh)

OFFICERS OF THE LOCAL COMMITTEE

Thomas S. Baker, *chairman*; Davenport Hooker, *vice chairman*
E. K. Collins, *secretary*; C. B. Fergus, *treasurer*

PARTICIPATING SOCIETIES

Affiliated with Section on Mathematics

American Mathematical Society (75 + 10 papers¹)
Mathematical Association of America (6 + 9 papers)
National Council of Teachers of Mathematics (7 + 3 papers)

Affiliated with Section on Physics

American Physical Society (77 + 17 papers)
American Association of Physics Teachers (12 + 6 papers)
Acoustical Society of America (12 + 3 papers)
American Meteorological Society (28 papers)

Affiliated with Section on Chemistry

American Chemical Society, Pittsburgh Section (0 + 21 papers)
Phi Lambda Upsilon, Xi Chapter (no papers)

Affiliated with Section on Zoological Sciences

American Society of Zoologists (90 + 11 papers and demonstrations)
Entomological Society of America (41 + 12 papers)
American Association of Economic Entomologists (124 papers)
American Society of Parasitologists (47 + 7 papers)
Wilson Ornithological Club (38 papers)

Affiliated with Section on Botanical Sciences

Botanical Society of America (75 + 11 papers)
American Phytopathological Society (105 + 15 papers)

¹ The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Mycological Society of America (22 + 15 papers)

American Fern Society (4 papers)

Sullivant Moss Society (7 papers)

Affiliated with Sections on Zoological and Botanical Sciences

American Society of Naturalists (5 papers)

Ecological Society of America (10 + 27 papers)

Genetics Society of America (45 + 3 papers)

American Microscopical Society (no papers)

Committee on Hydrobiology and Agriculture, National Research Council (15 papers)

Affiliated with Section on Anthropology

American Anthropological Association (55 papers)

American Folk-Lore Society (Section and societies jointly, 55 papers)

Affiliated with Section on Social and Economic Sciences

Econometric Society (6 + 7 papers)

Metric Association (papers not listed in general program)

Affiliated with Section on Medical Sciences

American College of Dentists (12 papers)

Affiliated with Section on Agriculture

American Society of Agronomy, Northeastern Section (4 + 6 papers)

American Society for Horticultural Science (173 + 14 papers)

Potato Association of America (22 + 17 papers)

Society of American Foresters (0 + 7 papers)

Crop Protection Institute (papers not listed in general program)

Affiliated with Section on Education

Pi Lambda Theta, National Education Fraternity for Women

Kappa Delta Pi, Honor Society in Education

Phi Delta Kappa Fraternity

Science in General

Society of the Sigma Xi

American Nature Study Society

Gamma Alpha Graduate Scientific Fraternity

Pi Gamma Mu, National Social Science Honor Society

Sigma Delta Epsilon, Women's Graduate Scientific Fraternity

GENERAL SESSIONS

Henry Norris Russell, Princeton University. "The Atmospheres of the Planets." (Address of retiring president.) *Science* 81: 1-9. 1935.

William Alanson White, Superintendent, St. Elizabeth's Hospital, Washington, D. C. "Man, the Great Integrator." *Science* 81: 237-243. 1935.

Earnest Albert Hooton, Harvard University. "Homo Sapiens, Whence and Whither." (Thirteenth annual Sigma Xi lecture.) *Sigma Xi Quarterly* 23, No. 1. 1935.

Arthur B. Lamb, Harvard University. "Crystallogenic Adsorbents." (Address of retiring vice president for the Section on Chemistry.)

Charles F. Kettering, president of General Motors Research Corporation. "Some Future Problems of Science and Engineering." (Address of retiring vice president for the Section on Engineering.)

Cyrus C. Sturgis, University of Michigan. "Review of Some of the More Recent Advances in the Study of Blood Diseases." (Address of retiring vice president for the Section on Medical Sciences.) *Science* 81: 368-371. 1935.

Albert Einstein, Institute for Advanced Study, Princeton, N. J. "An Elementary Proof of the Theorem Concerning the Equivalence of Mass and Energy." (Eleventh Josiah Willard Gibbs lecture.)

ADDRESSES OF VICE PRESIDENTS

Section on Mathematics. C. N. Moore, University of Cincinnati. "Mathematics and Science." *Science* 81: 27-32. 1935.

Section on Physics. C. J. Davisson, Technical Staff of Bell Telephone Laboratories. "Electron Optics."

Section on Chemistry. Arthur B. Lamb, Harvard University. "Crystallogenic Adsorbents."

Section on Astronomy. V. M. Slipher, Lowell Observatory, Flagstaff, Arizona. "The Atmospheres of the Planets as Inferred from their Spectra."

Section on Geology and Geography. Rollin T. Chamberlin, The University of Chicago. "Certain Aspects of Geologic Classifications and Correlations." *Science* 81: 183-191, 216-218. 1935.

Section on Zoological Sciences. George L. Streeter, Carnegie Institution, Baltimore. "The Education of an Anatomist."

Section on Botanical Sciences. K. M. Wiegand, Cornell University. "A Taxonomist's Experience with Hybrids in the Wild." *Science* 81: 161-166. 1935.

Section on Anthropology. T. Wingate Todd, Western Reserve University. "Anthropology and Growth." *Science* 81: 259-263. 1935.

Section on Psychology. Walter R. Miles, Yale University. "Training, Practice and Mental Longevity." *Science* 81: 79-87. 1935.

Section on Social and Economic Sciences. Wesley C. Mitchell, Columbia University. "The Social Sciences and National Planning." *Science* 81: 56-62. 1935.

Section on Engineering. Charles F. Kettering, General Motors Corporation. "Some Future Problems of Science and Engineering."

Section on Medical Sciences. Cyrus C. Sturgis, University of Michigan. "Some of the Recent Advances in the Study of Blood Diseases." *Science* 81: 368-371. 1935.

Section on Agriculture. A. R. Mann, Cornell University. "Agricultural Planning as an Aspect of State and National Planning." *Science* 81: 32-35. 1935.

Section on Education. Walter F. Dearborn, Harvard University. "The Mental and Physical Growth of Public School Children."

SYMPOSIA

"Group Theory and Quantum Mechanics" (4 papers). American Mathematical Society and American Physical Society.

"Heavy Hydrogen and Its Compounds" (4 papers). Sections on Physics and Chemistry.

"Noise Measurement" (4 papers). Acoustical Society of America.

"The Role of Chemistry in Education" (5 papers). Sections on Chemistry and Education and Division of Chemical Education of American Chemical Society.

"Mitosis" (4 papers). American Society of Zoologists.

"Improved Technique in the Study of Insects" (16 papers). Entomological Society of America.

"The Status of Systematic Botany in American Colleges and Universities" (5 papers). Botanical Society of America.

"Plant Hormones" (4 papers). Physiological Section of Botanical Society of America and American Society of Plant Physiologists.

"Cytogenetic Evolutionary Processes and Their Bearing on Evolution Theory" (3 papers). American Society of Naturalists, American Society of Zoologists, Botanical Society of America and Genetics Society of America.

"The Chemistry and Metabolism of Sulfur-Containing Compounds of the Body" (5 papers). Section on Medical Sciences.

"Agricultural Planning" (10 papers). Section on Agriculture and American Society of Agronomy.

"The Use and Application of Rapid Soil Tests" (4 papers). Section on Agriculture.

"Psychological Theories of Learning" (4 papers). Sections on Psychology and Education.

"Newer Knowledge of Interest to Science Teachers." Special Conference of the Committee on the Place of Science in Education.

"A National Organization of Science Teachers." Special Conference of the Committee on the Place of Science in Education.

PRELIMINARY ANNOUNCEMENTS AND REPORT OF MEETING

Preliminary Announcements and Notices. Science 80: 423, 424, 426, 485-494, 581-582, 612. Supplement to Science 80: 4-7, 18-25. 1934. The Scientific Monthly, Jan., 1935.

Permanent Secretary's general report, including financial statements, reports of secretaries of sections and of participating societies. Henry B. Ward. Science 81: 103-136. 1935.

MISCELLANEOUS ARTICLES, NOTES AND REPORTS

Edwin B. Wilson. "What Is a Proof?" Science 81: 37-373. 1935.

Frederick P. Gay. "The Unsolved Problems of Leprosy." Science 81: 283-285.

H. H. Bennett. "Facing the Erosion Problem." Science 81: 321-326. 1935.

Council Meetings. June 18 and 21, 1934, at Berkeley. Science 80: 45-47. 1934.

Meeting of the Executive Committee, April 15, 1934, at New York. Science 79: 481-484. 1934.

Treasurer's financial report for the fiscal year ended Sept. 30, 1934. Science 81: 108-109. 1935.

Permanent Secretary's financial report for the fiscal year 1933-34. Science 81: 109.

Grants in aid of research for 1934. Science 79: 483. 1934. Science 81: 136. 1935.

Membership. A statement concerning membership for the fiscal year. Science 81: 109. 1935.

The Eleventh Prize Award of the Association. Science 79: 89-90. 1934.

The Science Exhibition at the Pittsburgh meeting of the Association. Science 80: 284-285. 1934.

Symposium: "Physical and Chemical Changes in Nerve During Activity." Science: Science Supplement, Apr. 27, 1934. Occasional Publications of the American Association for the Advancement of Science. No. 2. (Out of print.)

THE LUBBOCK, TEXAS, MEETING OF THE SOUTHWESTERN
DIVISION, APRIL 30 - MAY 3, 1934

*(The 14th meeting of the Southwestern Section, held in association with
the Texas Academy of Science)*

R. A. Studhalter, *Chairman of Local Committee*

GENERAL SESSIONS

Bradford Knapp, president of Texas Technological College, and Ross Edwards, Mayor of Lubbock, addresses of welcome; B. C. Thorpe, president of the Texas Academy of Science, and O. C. Lester, president of the Southwestern Division, responses.

O. C. Lester, University of Colorado. "Research, the Door to Tomorrow." (Address of retiring president of Southwestern Division.)

Otto Struve, Yerkes Observatory, Williams Bay, Wisconsin. "The Galaxy." (Fifth John Wesley Powell lecture.)

SUMMARIZED PROCEEDINGS

For the Calendar Year 1935

Volume LXXXVIII

SUMMARIZED PROCEEDINGS FOR 1935

Two meetings of the Association were held in the calendar year 1935, the summer meeting at Minneapolis, Minn., June 24 to June 29, and the annual meeting at St. Louis, Mo., December 30, 1935 to January 4, 1936. The Association had held two earlier meetings in Minneapolis, the first in August, 1883, and the second in December, 1910. Three earlier meetings had been held in St. Louis, the first in August, 1878, the second in December, 1903, and the third in December, 1919.

The Pacific Division held its annual meeting in Los Angeles in June, a previous meeting of the division having been held in Los Angeles in 1923. The Southwestern Division held its meeting in Santa Fe, N. M., having previously held a meeting in that city in both 1922 and 1927.

At the Minneapolis meeting the registration was 417 and 340 papers were on the programs; at the St. Louis meeting 2,292 persons were registered and 1575 papers were on the programs; at the Los Angeles meeting of the Pacific Division the registration was 779 and 383 papers were on the programs; and at the Santa Fe meeting of the Southwestern Division the registration was 220 and 142 papers were on the programs. The total registration at meetings of the Association and its divisions during 1935 was 3708 and the total number of addresses and papers on the programs was 2440. At the close of the fiscal year 1935 (September 30) the membership of the Association was 17,937; the membership of the Pacific Division was 1971; and the membership of the Southwestern Division was 277.

OFFICERS OF THE ASSOCIATION FOR 1935

President. Karl T. Compton (physics), Massachusetts Institute of Technology.

Retiring President. Edward L. Thorndike (psychology), Columbia University.

Permanent Secretary. Henry B. Ward, Smithsonian Institution Bldg., Washington, D. C.

General Secretary. Otis W. Caldwell, Columbia University.

Treasurer. John L. Wirt, Washington, D. C.

Secretary of the Council. Charles A. Shull, The University of Chicago.

Executive Assistant. Sam Woodley, Washington, D. C.

Auditor. W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

Director of the Press Service. Austin H. Clark, Washington, D. C.

Director of the Annual Science Exhibition. F. C. Brown, Washington, D. C.

Members of the Executive Committee (page 95)

Members of the Finance Committee (page 95)

Members of the Committee on Grants (page 95)

Members of the Council (pages 95, 92-94)

Section Officers (pages 92-94)

OFFICERS OF THE PACIFIC DIVISION

(For the fiscal year June, 1934 - June, 1935)

President. Bailey Willis, Stanford University, Calif.

Secretary. J. Murray Luck, Stanford University, Calif.

Council Representative. E. G. Martin, Stanford University, Calif.

OFFICERS OF THE SOUTHWESTERN DIVISION

(For the fiscal year April, 1934 - April, 1935)

President. Harold S. Colton, Museum of Northern Arizona, Flagstaff, Arizona.

Secretary. V. C. Kiech, University of New Mexico, Albuquerque, N. M.

Council Representative. Harold S. Colton, Museum of Northern Arizona, Flagstaff, Arizona.

THE THIRD MINNEAPOLIS MEETING, JUNE 24 TO 29, 1935

(The 96th meeting of the Association)

OFFICERS OF THE LOCAL COMMITTEE

D. E. Minnich, *chairman*; D. G. Paterson, *secretary*

PARTICIPATING SOCIETIES

Affiliated with Section on Physics

American Meteorological Society (35 papers)

Affiliated with Section on Astronomy

Society for Research on Meteorites (11 papers)

Affiliated with Section on Zoological Sciences

American Society of Parasitologists (5 + 6 papers¹)

Affiliated with Section on Botanical Sciences

Botanical Society of America (0 + 4 papers)

American Phytopathological Society (0 + 3 papers)

American Society of Plant Physiologists (19 + 3 papers)

¹ The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Affiliated with Sections on Zoological and Botanical Sciences

Ecological Society of America (0 + 4 papers)

Genetics Society of America (0 + 3 papers)

Affiliated with Section on Medical Sciences

Society of American Bacteriologists

Minnesota State Medical Association

Affiliated with Section on Agriculture

American Society of Agronomy, Corn Belt Section (0 + 3 papers)

American Society for Horticultural Science, Great Plains Section (0 + 3 papers)

American Dairy Science Association (0 + 99 papers)

Association of Official Seed Analysts of North America (0 + 27 papers)

GENERAL SESSIONS

W. P. Murphy, Boston, Mass. "Diseases of the Blood."

Richard P. Strong, Harvard University Medical School. "The Importance of Ecology in Tropical Disease." (Fourth Hector Maiben lecture.) *Science* 82: 307-317. 1935.

Isaiah Bowman, president of Johns Hopkins University. "The Land of Your Possession." *Science* 82: 285-293. 1935.

William F. G. Swann, Director, Bartol Research Foundation. "The Nature of Cosmic Rays."

Philip Fox, Director, Adler Planetarium and Astronomical Museum, Chicago, Ill. "The Scale of the Universe."

SYMPOSIA

"Conservation" (4 papers). General session sponsored by the Association and the University of Minnesota. Third paper: "Conservation of Minerals." C. K. Leith. *Science* 82: 109-117. 1935.

"Hormone Activity" (4 papers). Section on Zoological Sciences.

"Dormancy, After-Ripening, and Germination of Seeds" (7 papers). American Society of Plant Physiologists.

"Improving the Germ Plasm of Domestic Plants and Animals" (3 papers). Section on Agriculture, American Phytopathological Society, American Society of Plant Physiologists, Corn Belt Section of American Society of Agronomy, Great Plains Section of American Society of Horticultural Science and American Dairy Science Association.

"Past, Present and Future of Phytopathology in North America." American Phytopathological Society.

"Attitude Measurement" (2 papers). Section on Psychology.

"Diseases of the Blood" (3 papers). Section on Medical Sciences and Minnesota State Medical Association.

"Higher Education" (5 papers). Section on Education.

"Improvement in Learning" (4 papers). Section on Education.

"Childhood Studies" (4 papers). Section on Education.

ANNOUNCEMENTS AND REPORTS

The Coming Minneapolis Meeting. Henry B. Ward. Science 81: 266-267. 1935.

Preliminary Announcement of the Minneapolis Meeting. Henry B. Ward. Science 81: 495-504. 1935.

Grants in Aid of Research for 1936. Henry B. Ward. Science 81: 610. 1935.

The Lancaster Branch of the Association. F. A. Coventry. Science 81: 286-287. 1935.

Permanent Secretary's general report of the Minneapolis Meeting, including reports of the secretaries of the sections and of the participating societies. Henry B. Ward. Science 82: 71-88. 1935.

THE FOURTH ST. LOUIS MEETING, DEC. 30, 1935 - JAN. 4, 1936 (*The 97th meeting of the Association*)

OFFICERS OF THE LOCAL COMMITTEE

George T. Moore, *chairman*; James B. Macelwane, *vice chairman*
W. D. Shipton, *secretary*

PARTICIPATING SOCIETIES

Affiliated with Section on Mathematics

American Mathematical Society (68 + 3 papers¹)

Mathematical Association of America (6 + 2 papers)

National Council of Teachers of Mathematics (10 + 2 papers)

Affiliated with Section on Physics

American Physical Society (67 + 7 papers)

American Association of Physics Teachers (28 + 6 papers)

American Meteorological Society (10 + 15 papers)

Affiliated with the Section on Geology and Geography

Association of American Geographers (56 + 11 papers)

¹ The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

National Council of Geography Teachers (26 papers)
Seismological Society of America (14 + 6 papers)

Affiliated with Section on Zoological Sciences

Entomological Society of America (43 papers)
American Association of Economic Entomologists (12 + 43 papers)
American Society of Parasitologists (58 + 5 papers)
Wilson Ornithological Club (31 papers)

Affiliated with Section on Botanical Sciences

Botanical Society of America (62 + 24 papers)
American Phytopathological Society (99 + 28 papers)
American Society of Plant Physiologists (41 + 15 papers)
Mycological Society of America (13 + 14 papers)
American Fern Society (4 + 3 papers)
Sullivant Moss Society (7 papers)

Affiliated with Sections on Zoological and Botanical Sciences

American Society of Naturalists (0 + 10 papers)
Ecological Society of America (33 + 21 papers)
Genetics Society of America (33 + 16 papers)
American Microscopical Society
Phi Sigma Society (90 papers)
Limnological Society of America (18 papers)
Beta Beta Beta Honor Biological Fraternity

Affiliated with Section on Social and Economic Sciences

Econometric Society (1 + 5 papers)

Affiliated with Section on Historical and Philological Sciences

History of Science Society

Affiliated with Section on Agriculture

American Society of Agronomy (0 + 4 papers)
American Society for Horticultural Science (109 + 19 papers)
Potato Association of America (36 + 20 papers)

Affiliated with Section on Education

Phi Delta Kappa Fraternity
Pi Lambda Theta, National Education Fraternity for Women
Kappa Delta Pi, Honor Society in Education

Science in General

Society of the Sigma Xi
 United Chapters of Phi Beta Kappa
 American Nature Study Society (19 papers)
 Gamma Alpha Graduate Scientific Fraternity
 Pi Gamma Mu, National Social Science Honor Fraternity
 Sigma Delta Epsilon, Women's Graduate Scientific Fraternity
 American Science Teachers Association (8 papers)
 Honor Society of Phi Kappa Phi
 American Association of University Professors
 Academy of Science of Saint Louis

GENERAL SESSIONS

Edward L. Thorndike, Columbia University. "Science and Values." (Address of retiring president.) *Science* 83:1-8. 1936.

John Bellamy Taylor, General Electric Company. "The Electric Eye and the Human Eye." (Fourteenth annual Sigma Xi lecture.) *Sigma Xi Quarterly* 24, No. 1. 1936.

William Allan Neilson, president of Smith College. "The American Scholar Today." (First annual Phi Beta Kappa lecture.) *The American Scholar*. 1936.

Harold G. Moulton, president of the Brookings Institution, Washington, D. C. "Scientific Method in the Investigation of Economic Problems." *The Scientific Monthly* 17: 214-221.

B. A. Houssay, University of Buenos Aires, Argentina. "The Pituitary Gland and the Metabolism of the Body."

Edwin H. Barbour, University of Nebraska. "The Proboscidea of the Plains."

Frederick Slocum, Wesleyan University, Middletown, Conn. "The Changing Picture of the Universe."

Vern O. Knudsen, University of California at Los Angeles. "The Adsorption of Sound in Gases."

Carl Snyder, Federal Reserve Bank, New York. "The Role of Capitalism in Civilization."

V. K. Zworykin, Radio Corporation of America. "Electron Optical Systems and their Applications."

Vannevar Bush, Massachusetts Institute of Technology. "Mechanical Analysis." (Twelfth annual Josiah Willard Gibbs lecture.)

ADDRESSES OF VICE PRESIDENTS

Section on Mathematics. R. D. Carmichael, University of Illinois. "Linear Differential Equations of Infinite Order."

Section on Physics. Henry G. Gale, The University of Chicago. "The Diffraction Grating."

Section on Chemistry. Joel H. Hildebrand, University of California. "Dipole Attraction and Hydrogen Bond Formation in their Relation to Solubility." *Science* 83: 21-24. 1936.

Section on Astronomy. Frederick Slocum, Wesleyan University, Middletown, Conn. "The Changing Picture of the Universe."

Section on Geology and Geography. J. B. Macelwane, St. Louis University. "Problems and Progress on the Geologico-Seismological Frontier." *Science* 83: 193-198. 1936.

Section on Zoological Sciences. Oscar Riddle, Station for Experimental Evolution of Carnegie Institution. "The Confusion of Tongues." *Science* 83: 41-45, 69-74. 1936.

Section on Botanical Sciences. Bernard O. Dodge, New York Botanical Garden. "Reproduction and Inheritance in Ascomycetes." *Science* 83: 169-175. 1936.

Section on Anthropology. M. J. Herskovits, Northwestern University. "Applied Anthropology and the American Anthropologists." *Science* 83: 215-222. 1936.

Section on Psychology. John E. Anderson, University of Minnesota. "Child Development and the Interpretation of Behavior." *Science* 83: 245-252. 1936.

Section on Social and Economic Sciences. Carl Snyder, Federal Reserve Bank, New York. "The Role of Capitalism in Civilization."

Section on Historical and Philological Sciences. Solon J. Buck, National Archives, Washington, D. C. "The National Archives and the Advancement of Science." *Science* 83: 379-385. 1936.

Section on Medical Sciences. Stanhope Bayne-Jones, Yale University. "Bacterial Poisons and their Antidotes."

Section on Agriculture. Jacob G. Lipman, Rutgers University. "The Conservation of our Land Resources." *Science* 83: 65-69. 1936.

Section on Education. Guy Thomas Buswell, The University of Chicago. "Some Contributions of the Study of Eye Movements to the Psychology of Perception."

SYMPOSIA

"The Teaching of Geometry" (3 papers). National Council of Teachers of Mathematics.

"Photoelectricity" (3 papers). American Physical Society and American Association of Physics Teachers.

"Land Utilization" (5 papers). Association of American Geographers.

"Species from a Genetic Standpoint" (3 papers). Section on Zoological

Sciences, Genetics Society of America, Systematic Section of the Botanical Society of America and the American Society of Naturalists.

"Early Man in America with Particular Reference to the Southwestern United States" (6 papers). Section on Zoological Sciences, American Society of Naturalists, Botanical Society of America and Genetics Society of America.

"Orchard Sanitation" (3 papers). American Association of Economic Entomologists.

"Contemporary Investigation of Taxonomic Concepts" (4 papers). Botanical Society of America and Genetics Society of America.

"Light Relations of Plants" (4 papers). Botanical Society of America and American Society of Plant Physiologists.

"The Plant Geography of the Mississippi Valley" (3 papers). Section on Zoological Sciences, General Section of Botanical Society of America, American Society of Naturalists and Genetics Society of America.

"Antibiosis: the Antagonism toward Plant Pathogens by other Microorganisms" (3 papers). American Phytopathological Society.

"Ecological Aspects of some recent Government Activities" (8 papers). Ecological Society of America.

"Study and Teaching of the History of Science" (4 papers). Section on Historical and Philological Sciences and History of Science Society.

"Early Science in the St. Louis Area" (8 papers). Section on Historical and Philological Sciences, History of Science Society and Academy of Science of St. Louis.

"Sex Hormones" (11 papers). Section on Medical Sciences.

"The Conservation of the Land" (4 papers). Section on Agriculture and American Society of Agronomy. First paper: "The Conservation of our Land Resources." Jacob G. Lipman. *Science* 83: 65-69. 1936.

"Maturation and Learning" (4 papers). Section on Education and Section on Psychology.

ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Announcement of the Fourth St. Louis Meeting. Henry B. Ward. *Science* 82: 499-510. 1935.

Permanent Secretary's general report, including reports of secretaries of sections and of participating societies. Henry B. Ward. *Science* 83: 111-146. 1936.

THE SECOND LOS ANGELES MEETING OF THE PACIFIC
DIVISION, JUNE 25-29, 1935*(The 19th annual meeting of the Pacific Division)*

PARTICIPATING SOCIETIES

American Association of Economic Entomologists, Pacific Slope Branch
American Meteorological Society
American Physical Society
American Phytopathological Society, Pacific Division
American Society of Ichthyologists and Herpetologists, Western Division
Astronomical Society of the Pacific
Botanical Society of America, Pacific Section
Ecological Society of America
Pacific Coast Entomological Society
Society for Experimental Biology and Medicine, Pacific Coast Branch
Western Psychological Association
Western Society of Naturalists
Western Society of Soil Science

GENERAL SESSIONS

Bailey Willis, Stanford University. "The Living Globe." (Address of retiring president of the Pacific Division.) *Science* 82:427-433.

Fred E. Wright, Carnegie Institution of Washington. "The Surface of the Moon."

SPECIAL RESEARCH REVIEWS

V. O. Knudsen, University of California at Los Angeles. "Recent Developments in Acoustics."

Th. Dobzhansky, California Institute of Technology. "The Mechanism of Heredity."

B. M. Allen, University of California at Los Angeles. "Recent Developments in the Field of Hormones."

SYMPOSIA

"Seismologic Research" (6 papers): (1) "Earthquakes of Northern California," Perry Byerly; (2) "Research on Near and Far Earthquakes," B. Gutenberg; (3) "Vibration Research for Earthquake Resistant Buildings," L. Jacobsen; (4) "Development of the U. S. Coast and Geodetic Seismological Program in California," T. J. Maher; (5) "Mechanics of Earthquake Activity," Bailey Willis; and (6) "Present Status of the Relation of the State of California to Earthquake Resistant Public School Building Design and Construction," Geo. B. McDougall.

"The Virus Diseases of Plants and Animals." American Phytopathological Society, Pacific Division, Botanical Society of America, Pacific Division, Society for Experimental Biology and Medicine and the Western Society of Naturalists.

PRELIMINARY ANNOUNCEMENT AND REPORT OF MEETING

"The Los Angeles Meeting of the Pacific Division." J. Murray Luck. *Science* 81: 333-334. 1935.

Secretary's general report of the Los Angeles meeting of the Pacific Division, including reports of the secretaries of participating societies. J. Murray Luck. *Science* 82: 357-368. 1935.

THE THIRD SANTA FE MEETING OF THE SOUTHWESTERN DIVISION, APRIL 29 - MAY 2, 1935 (*The 15th meeting of the Southwestern Division*)

PARTICIPATING SOCIETIES

Ecological Society of America
New Mexico Association for the Advancement of Science
New Mexico Game Protective Association
New Mexico Public Health Association
Society of American Foresters, Southwestern Section
Southwestern Conservation League
Second Annual Tree-Ring Conference

GENERAL SESSIONS

D. S. Robbins, State College, N. M. "Science and Religion." (Address of retiring president of the Southwestern Division.)

Edgar L. Hewitt, Director of the Museum of New Mexico. "The Social Sciences in the Program of Education." (The sixth John Wesley Powell lecture.)

A. E. Douglass, University of Arizona. "Trees: Recorders of History and Climate."

SYMPOSIA

"Atomic Nuclei." Papers by W. B. Pietenpol, University of Colorado, and J. C. Stearns, University of Denver.

"Trees: Recorders of History and Climate." Papers by A. E. Douglass, University of Arizona, E. W. Haury, Assistant Director, Gila Pueblo, Globe, Arizona, and G. A. Pearson, Southwest Forest and Range Experiment Station, Tucson, Ariz.

Report of Santa Fe meeting. E. F. Carpenter. *Science* 82: 41-42. 1935.

SUMMARIZED PROCEEDINGS

For the Calendar Year 1936

Volume LXXXIX

SUMMARIZED PROCEEDINGS FOR 1936

The Association held two meetings in the calendar year 1936, a meeting at Rochester-Ithaca, N. Y., June 16-20, and the annual meeting at Atlantic City, N. J., Dec. 28, 1936 - Jan. 2, 1937. The Association had previously held one meeting at Rochester, in August, 1892, one meeting at Ithaca, in June-July, 1906, and one meeting in Atlantic City, in December, 1932. A large portion of the Rochester-Ithaca program was presented at Rochester on June 16-18, after which the Association joined with the Society of the Sigma Xi at Ithaca in celebration of the semi-centennial of its founding. The Pacific Division held a meeting at Seattle, Washington, June 15-20, and the Southwestern Division held a meeting at Flagstaff, Arizona, April 27-30.

At the Rochester-Ithaca meeting 514 persons were registered and 230 addresses and papers were on the programs; at the Atlantic City meeting 2375 persons were registered and 1450 addresses and papers were delivered or read; at the Seattle meeting of the Pacific Division 779 persons were registered and 449 addresses and papers were delivered or read; and at the Flagstaff meeting of the Southwestern Division 116 addresses and papers were delivered or read. At the close of the fiscal year 1936 (Sept. 30) the membership of the Association was 18,242; the membership of the Pacific Division was 2004; and the membership of the Southwestern Division was 323.

OFFICERS OF THE ASSOCIATION FOR 1936

President. Edwin G. Conklin (zoology), Princeton University.

Retiring President. Karl T. Compton (physics), Massachusetts Institute of Technology.

Permanent Secretary. Henry B. Ward, Washington, D. C.

General Secretary. Otis W. Caldwell. Boyce Thompson Institute for Plant Research.

Treasurer. John L. Wirt, Washington, D. C.

Secretary of the Council. Charles A. Shull, University of Chicago.

Executive Assistant. Sam Woodley, Washington, D. C.

Auditor. W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

Director of Press Service. Austin H. Clark, National Museum, Washington, D. C.

Director of the Annual Science Exhibition. F. C. Brown, Washington, D. C.

Members of the Executive Committee (page 95)

Members of the Finance Committee (page 95)

Members of the Committee on Grants (page 95)

Members of the Council (pages 95, 92-94)

Section Officers (pages 92-94)

OFFICERS OF THE PACIFIC DIVISION

(For the fiscal year June, 1935 - June, 1936)

President. Richard C. Tolman, California Institute of Technology

Secretary. J. Murray Luck, Stanford University.

Council Representative. Roy E. Clausen, University of California.

OFFICERS OF THE SOUTHWESTERN DIVISION

(For the fiscal year April, 1935 - April, 1936)

President. Frank E. E. Germann, University of Colorado.

Secretary. V. C. Kiech, University of New Mexico.

Council Representative. Frank E. E. Germann, University of Colorado.

THE ROCHESTER (N. Y.) - ITHACA MEETING, JUNE 16-20, 1936

(The 98th meeting of the association, its second meeting in Rochester and its second meeting at Ithaca)

OFFICERS OF THE LOCAL COMMITTEE

H. L. Fairchild, *honorary chairman*; J. E. Hoffmeister, *chairman*

W. R. Line, *secretary*

PARTICIPATING SOCIETIES

Affiliated with Section on Physics

American Meteorological Society (6 papers)

Affiliated with Section on Botanical Sciences

American Society of Plant Physiologists (0 + 9 papers¹)

Physiological Section, Botanical Society of America (0 + 9 papers)

Affiliated with Section on Engineering

Institute of the Aeronautical Sciences (7 papers)

American Society of Photogrammetry

¹ The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Affiliated with Section on Medical Sciences

Society of American Bacteriologists, Central New York State Branch
(26 + 10 papers)

Society of Experimental Biology and Medicine, Western New York
Branch (20 papers)

Affiliated with Section on Agriculture

American Society for Horticultural Science (0 + 9 papers)

Association of Official Seed Analysts (26 papers)

GENERAL SESSIONS

C. E. K. Mees, Eastman Kodak Company. "Color Photography."

Charles Camsell, Deputy Minister of Mines of the Dominion of Canada.
"A 4000 Mile Flight Over Northwestern Canada in August, 1935." (Fifth
Hector Maiben lecture.)

Carl Snyder, Federal Reserve Bank of New York. "The Role of Capitalism in Civilization."

Society of the Sigma Xi Semi-Centennial General Session. (1) Livingston Farrand, president of Cornell University: "Greetings"; (2) Edwin G. Conklin, president of the Association: "The American Association for the Advancement of Science and the Society of the Sigma Xi"; (3) W. F. Durand, president of the Society of the Sigma Xi: "Response"; (4) Edward Ellery, Union College: "A Brief History of the Sigma Xi"; (5) Frank Van Vleck, Washington, D. C. (one of the founders of the Sigma Xi): "Reminiscences"; (6) Karl T. Compton, president of Massachusetts Institute of Technology: "The Service of Sigma Xi in the Universities of the Future." Sigma Xi Quarterly 24: No. 2.

SYMPOSIA

"Problems of Current Interest to Physics and Geology" (6 papers). Section on Physics and Section on Geology and Geography.

"Recent Developments in Weather Forecasting" (4 papers and demonstration of release of two high altitude balloons). Section on Physics and American Meteorological Society.

"Biological Effects of Radiation" (3 papers). Section on Physics.

"Physiology of Reproduction in Higher Plants" (5 papers). American Society of Plant Physiologists, Physiological Section of Botanical Society of America and American Society for Horticultural Science.

"Scientific Aspects of Flood Control" (3 papers). Ecological Society of America. Occasional Publications of the American Association for the Advancement of Science, No. 3. Supplement to Science, vol. 84.

"Social Security" (3 papers). Section on Social and Economic Sciences.

"Dental Caries" (10 papers). Subsection on Dentistry.

ANNOUNCEMENTS AND REPORTS OF MEETING

The Summer Meeting of the American Association. Henry B. Ward. *Science* 83: 365-366. 1936.

Preliminary Announcements of the Rochester-Ithaca meeting. Henry B. Ward. *Science* 83: 447-456. 1936.

Permanent Secretary's general report, including reports of the secretaries of the sections and of the participating societies. *Science* 84: 93-113. 1936.

MISCELLANEOUS ARTICLES, NOTES AND REPORTS

Simon Henry Gage. "Theobald Smith; Investigator and Man." (Address at Theobald Smith Memorial Session.) *Science* 84: 117-122. 1936.

M. H. Eisenhart. Address on presentation of the 250,000th Bausch and Lomb microscope to Professor Frederick G. Novy. *Science* 84: 122. 1936; response by Edwin G. Conklin, pp. 122, 123. 1936.

Max Mason. "Science and the Rational Animal." *Science* 84: 71-76. 1936.

W. R. Whitney. "Accomplishments and Future of the Physical Sciences." *Science* 84: 211-217. 1936.

THE ATLANTIC CITY MEETING, DEC. 28, 1936 - JAN. 2, 1937

(The 99th meeting of the Association and its 2d meeting at Atlantic City)

There being no university at Atlantic City, arrangements for the meeting were made by the office of the Permanent Secretary and Mr. A. H. Slean, Director of the Convention Bureau.

PARTICIPATING SOCIETIES

Affiliated with the Section on Physics

American Physical Society (68 + 2 papers¹)

American Association of Physics Teachers (39 + 2 papers)

American Meteorological Society (21 + 7 papers)

Sigma Pi Sigma

Affiliated with the Section on Chemistry

Division of Chemical Education, American Chemical Society (0 + 2 papers)

¹ The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Affiliated with the Section on Zoological Sciences

- American Society of Zoologists (107 + 46 papers)
- Entomological Society of America (48 + 5 papers)
- American Association of Economic Entomologists (108 + 5 papers)
- American Society of Parasitologists (63 papers)

Affiliated with Section on Botanical Sciences

- Botanical Society of America (92 + 19 papers)
- American Phytopathological Society (97 + 26 papers)
- American Society of Plant Physiologists (45 + 15 papers)
- Mycological Society of America (35 + 12 papers)
- American Fern Society (5 papers)
- Sullivant Moss Society (9 + 3 papers)

Affiliated with Sections on Zoological and Botanical Sciences

- American Society of Naturalists (1 + 10 papers)
- Ecological Society of America (17 + 25 papers)
- Genetics Society of America (33 + 12 papers)
- Limnological Society of America (20 papers)
- American Microscopical Society

Affiliated with Section on Agriculture

- American Society of Agronomy (0 + 8 papers)
- American Society for Horticultural Science (121 + 16 papers)
- Potato Association of America (32 + 21 papers)

Science in General

- Society of the Sigma Xi
- United Chapters of Phi Beta Kappa
- American Nature Study Society
- Gamma Alpha Graduate Scientific Fraternity
- Sigma Delta Epsilon Graduate Women's Scientific Fraternity
- American Science Teachers' Association

GENERAL SESSIONS

Karl T. Compton, president of the Massachusetts Institute of Technology. "The Electron: Its Intellectual and Social Significance." (Address of retiring president.) *Science* 85: 27-37. 1937.

Henry G. Knight, Chief of U. S. Bureau of Chemistry and Soils. "Selenium and Its Relation to Soil, Plants, Animals, and Public Health." (Fifteenth annual Sigma Xi lecture.) *Sigma Xi Quarterly* 25, No. 1. 1937.

James R. Angell, president of Yale University. "The Scholar and the Specialist." (Second Phi Beta Kappa lecture.) *The American Scholar*. 1937.

SPECIAL SESSIONS

E. O. Hulburt, Naval Research Laboratory. "The Optics of the Surface of the Sea."

David Dietz, Science Editor, Scripps-Howard Newspapers. "Science and the American Press." *Science* 85: 107-112. 1937.

P. W. Zimmerman, Boyce Thompson Institute for Plant Research. "Response of Plants to Hormone-like Growth Substances."

C. C. Little, Roscoe B. Jackson Memorial Laboratory. "The Social Significance of Cancer."

Walter Schiller, University of Vienna. "Changes and Modifications in the Conception of Carcinoma."

ADDRESSES OF VICE PRESIDENTS

Section on Mathematics. T. H. Hildebrandt, University of Michigan. "Recent Developments in the Theory of Integration."

Section on Physics. John T. Tate, University of Minnesota. "Electron Impacts in Gases."

Section on Chemistry. Moses Gomberg, University of Michigan. "Free Radicals."

Section on Astronomy. H. R. Morgan, U. S. Naval Observatory. "Some Problems in Fundamental Astronomy." *Science* 85: 1-9. 1937.

Section on Zoological Sciences. Ross G. Harrison, Yale University. "Embryology and Its Relations." *Science* 85: 369-374. 1937.

Section on Botanical Sciences. E. W. Sinnott, Columbia University. "Morphology as a Dynamic Science." *Science* 85: 61-65. 1937.

Section on Anthropology. N. C. Nelson, American Museum of Natural History. "Prehistoric Archaeology, Past, Present and Future." *Science* 85: 81-89. 1937.

Section on Psychology. Robert M. Ogden, Cornell University. "The Psychology of Art: Naïve Geometry."

Section on Social and Economic Sciences. Shelby Harrison, Russell Sage Foundation. "Winning Social Advance Through Process of Accretion."

Section on Historical and Philological Sciences. George Sarton, Harvard University. "The Study of the History of 20th Century Science."

Section on Agriculture. H. K. Hayes, University of Minnesota. "Agricultural Research in China." *Science* 85: 321-325; 347-350. 1937.

Section on Education. F. B. Knight, University of Iowa. "Data Related to Classroom Learning."

SYMPOSIA

"Some Problems in Radiological Physics" (5 papers). American Physical Society.

"Radio-Meteorographs and Other Apparatus" (8 papers). American Meteorological Society.

"Weather Variations and Long Range Forecasting" (7 papers). American Meteorological Society and Section on Astronomy.

"The Preparation of Teachers of Chemistry" (2 papers). Section on Chemistry, Section on Education and Division of Chemical Education of the American Chemical Society.

"Experimental Populations" (4 papers). American Society of Zoologists and Ecological Society of America.

"Genetics and Development" (5 papers). American Society of Zoologists, Genetics Society of America and American Society of Naturalists.

"Properties of Protoplasmic Surfaces" (5 papers). American Society of Zoologists and Society of Cell Physiologists.

"Insects Affecting Man" (5 papers). Entomological Society of America and American Association of Economic Entomologists.

"Recent Developments in Plant Sciences" (3 papers). Section on Botany, Botanical Society of America, American Phytopathological Society, American Society of Plant Physiologists, Mycological Society of America, American Fern Society, and Sullivant Moss Society.

"Mineral Nutrition of Plants" (4 papers). Botanical Society of America, Physiological Section, American Society of Plant Physiologists and American Society of Horticultural Science.

"Carbondioxide Assimilation" (6 papers). American Society of Plant Physiologists.

"New Jersey Ferns" (5 papers). American Fern Society.

"Supra-Specific Variation in Nature and in Classification" (4 papers). American Society of Naturalists, American Society of Zoologists, Botanical Society of America, Genetics Society of America, American Phytopathological Society and Ecological Society of America.

"Experimental Populations" (4 papers). Ecological Society of America and American Society of Zoologists.

"Technique" (8 papers). Ecological Society of America and American Society of Plant Physiologists.

"The Cortex and Behavior" (4 papers). Section on Psychology.

"The Cancer Problem" (32 papers). Section on Medicine. Published in volume: *The Cancer Problem*. The Science Press. 1937.

"Pasture and Forage Crops in the Northeastern States" (8 papers). Section on Agriculture and American Society of Agronomy.

ANNOUNCEMENTS AND REPORTS OF MEETING

Preliminary announcement of the Atlantic City meeting. Henry B. Ward. *Science* 84: 465-475. 1936.

Changes in program of last day of Atlantic City meeting. *Science* 84: 547-548. 1936.

Annual science exhibition. *Science* 84: 269. 1936.

Cancer symposium, Section on Medical Sciences. *Science* 84: 439-440.

Invitation from American Philosophical Society for a one-day meeting in Philadelphia after the Atlantic City meeting. *Science* 84: 454. 1936.

Program of the Sessions in Atlantic City. *Science* 84: 548. 1936.

Permanent Secretary's general report. Henry B. Ward. *Science* 85: 129-164. 1936.

MISCELLANEOUS ARTICLES, NOTES AND REPORTS

Meeting of the Executive Committee, Oct. 24-25. *Science* 84: 460-461. 1936.

Broadcasts at the Atlantic City meeting. *Science* 84: 570. 1936.

Officers elected at Atlantic City meeting. *Science* 85: 40-41. 1937.

Financial reports for the fiscal year ending Sept. 30, 1936. *Science* 85: 134-136. 1937.

The Association Prize Award. *Science* 85: 132-133. 1937.

Report of Committee on Grants. *Science* 85: 164. 1937.

THE SEATTLE MEETING OF THE PACIFIC DIVISION,
JUNE 16-20, 1936

(The 20th annual meeting of the Pacific Division)

A. F. Carpenter, *Chairman of Local Committee*

GENERAL SESSIONS

Richard C. Tolman, California Institute of Technology. "The Present Status of Cosmology." (Address of retiring president of the Pacific Division.) *The Scientific Monthly*: 43: 491-507; 44: 20-40. 1936, 1937.

F. K. Kirsten, University of Washington. "Lux Sit" (low voltage illumination with rare gases and metallic vapors).

C. McLean Fraser, University of British Columbia. "Marine Biology."

E. G. Moberg, Scripps Institution of Oceanography, La Jolla, Calif. "Chemical Oceanography."

W. F. Thompson, International Fisheries Commission, Seattle, Wash. "Fisheries."

O. W. Swainson, U. S. Coast and Geodetic Survey, Seattle, Wash. "Hydrographic Survey."

SPECIAL RESEARCH REVIEWS

"Stellar Spectroscopy." W. E. Harper, Dominion Astrophysical Observatory, Victoria, B. C.

"Plant Nutrition." D. R. Hoagland, University of California, Berkeley, Calif.

"The Chemistry of Growth Promoting Principles." Roger J. Williams, Oregon State College, Corvallis, Oregon.

"Paleontology." E. L. Packard, Oregon State College, Corvallis, Ore.

REPORT OF MEETING

Secretary's general report of the Seattle meeting. J. Murray Luck. *Science* 84: 143-149, 169-174. 1936.

THE FLAGSTAFF MEETING OF THE SOUTHWESTERN DIVISION, APRIL 27-30, 1936

(The 16th annual meeting of the Southwestern Division)

T. J. Tormey, *Chairman of Local Committee*

GENERAL SESSIONS

T. J. Tormey, president of Arizona State Teachers College, Address of Welcome; Harold S. Colton, Museum of Northern Arizona, Flagstaff, Response.

Harold S. Colton, president of the Southwestern Division. "The Rise and Fall of the Prehistoric Population of Northern Arizona." (Address of retiring president of the Southwestern Division.) *Science* 84: 337-343. 1936.

John C. Merriam, President of the Carnegie Institution of Washington: "The Wilderness as a Teacher, Preacher, and Companion. A Study of the Contribution made by a Great National Park."

SUMMARIZED PROCEEDINGS

For the Calendar Year 1937

Volume XC

SUMMARIZED PROCEEDINGS FOR 1937

The Association held two meetings in the calendar year 1937, a joint meeting with the Pacific Division and the Southwestern Division at Denver, Colorado, June 21 to June 26, inclusive, and a meeting at Indianapolis, Ind., Dec. 27, 1937 - Jan. 2, 1938, inclusive. The only previous meeting of the Association in Denver was held in 1901.

At the Denver meeting the registration was from 50 states, territorial possessions and foreign countries, and 575 addresses and papers were on the programs. At the meeting in Indianapolis the registration was 3,094 and 1681 addresses and papers were on the programs. At the end of the fiscal year 1937 (Sept. 30), the membership of the Association was 18,776, that of the Pacific Division was 2023, and that of the Southwestern Division was 258.

OFFICERS OF THE ASSOCIATION FOR 1937

President. George D. B. Birkhoff (mathematics), Harvard University.

Retiring President. Edwin G. Conklin (zoology), Princeton University.

Permanent Secretary. F. R. Moulton, Washington, D. C.

General Secretary. Otis W. Caldwell, Boyce Thompson Institute for Plant Research.

Treasurer. John L. Wirt, Washington, D. C.

Secretary of the Council. Charles A. Shull, University of Chicago.

Executive Assistant. Sam Woodley, Washington, D. C.

Auditor. W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

Counsel. Charles S. Baker, Munsey Building, Washington, D. C.

Director of Press Service. Austin H. Clark, National Museum, Washington, D. C.

Director of the Annual Science Exhibition. F. C. Brown, Washington, D. C.

Members of Executive Committee (page 95)

Members of Finance Committee (page 95)

Members of Committee on Grants (page 95)

Members of Council (pages 95, 92-94)

Section Officers (pages 92-94)

OFFICERS OF PACIFIC DIVISION

(For the fiscal year June, 1936-June, 1937)

President. Herbert M. Evans (anatomy), University of California, Berkeley, Calif.

Secretary. J. Murray Luck, Stanford University, Calif.

Council Representative. Roy E. Clausen, University of California, Berkeley, Calif.

OFFICERS OF SOUTHWESTERN DIVISION

(For the fiscal year April, 1936 - April, 1937)

President. Frank E. E. Germann (physics), University of Colorado, Boulder, Colo.

Secretary. V. C. Kiech, University of New Mexico, Albuquerque, N. M.

Council Representative. Frank E. E. Germann, Boulder, Colo.

THE DENVER MEETING, JUNE 21-26, 1937

(The 100th meeting of the Association, the 21st meeting of the Pacific Division and the 17th meeting of the Southwestern Division)

OFFICERS OF THE LOCAL COMMITTEE

J. J. Waring, *chairman*; T. P. Campbell, *executive vice chairman*

A. C. Nelson, *treasurer*; J. C. Stearns, *secretary*

PARTICIPATING SOCIETIES

Affiliated with Section on Physics

American Physical Society, Pacific Coast Branch (26 + 4 papers¹)

American Meteorological Society, Pacific Coast Branch (10 + 0 papers)

Hydrology Section, American Geophysical Union (30 + 9 papers)

American Association of Physics Teachers (18 papers)

Affiliated with Section on Astronomy

Astronomical Society of the Pacific (22 + 4 papers)

Society for Research on Meteorites (15 + 8 papers)

Affiliated with Section on Geology and Geography

Oceanographic Society of the Pacific (20 papers)

Association of Pacific Coast Geographers (21 papers)

Affiliated with Section on Zoological Sciences

American Association of Economic Entomologists, Pacific Slope Branch (2 papers)

American Society of Parasitologists (18 papers)

American Society of Ichthyologists and Herpetologists, Western Division (10 papers)

¹ The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Affiliated with Section on Botanical Sciences

American Phytopathological Society, Pacific Division (0 + 12 papers)

American Society of Plant Physiologists, Western Division (31 + 10 papers)

American Fern Society

Botanical Society of America, Pacific Section (8 + 5 papers)

Affiliated with Section on Zoological and Botanical Sciences

Ecological Society of America (25 + 3 papers)

Western Society of Naturalists (7 + 5 papers)

Affiliated with Section on Social and Economic Sciences

Econometric Society (3 + 15 papers)

American Statistical Association (3 + 13 papers)

Affiliated with Section on Engineering

The Institute of Aeronautical Sciences (7 papers)

Affiliated with Section on Medical Sciences

Society for Experimental Biology and Medicine, Pacific Coast Branch and Southern California Branch (0 + 11 papers)

Affiliated with Section on Agriculture

Western Society of Soil Science (21 + 4 papers)

Society of American Foresters, Denver Section (0 + 16 papers)

GENERAL SESSIONS

Herbert M. Evans, Director of Institute of Experimental Biology, University of California. "The Development of Our Knowledge of Anterior Pituitary Function." (Address of president of the Pacific Division.)

Nevil V. Sidgwick, Lincoln College, Oxford, England. "Molecules." (Sixth Hector Maiben lecture.) Science 86: 335-340.

A. E. Douglass, University of Arizona. "Tree-rings and Chronology." (Eighth John Wesley Powell lecture.)

SYMPOSIA

"Astrophysical Problems of the Ionosphere" (4 papers). American Physical Society, Section on Astronomy and Astronomical Society of the Pacific.

"Rocky Mountain Geomorphology" (8 papers). Section on Geology and Geography.

"Interrelations of the Sciences Which Compose Oceanography" (3 papers). Oceanographic Society of the Pacific.

"Rocky Mountain Spotted Fever" (4 papers). American Society of Parasitologists.

"Chlorosis and Some of the Minor Elements" (5 papers). American Society of Plant Physiologists and Western Society of Soil Science.

"Plant Hormones" (4 papers). American Society of Plant Physiologists.

"Drought Resistance in Plants" (6 papers). American Society of Plant Physiologists.

"Genetics and the Species Problem" (2 papers). Botanical Society of America.

"Conservation Management of Wildlife" (5 papers). Ecological Society of America.

"The Scientific Aspects of the Control of Drifting Soils" (3 papers). Ecological Society of America. Published in *The Scientific Monthly* 47: 22-33, 193-210, 381-399. 1938.

"Tuberculosis and Leprosy—The Mycobacterial Diseases" (21 papers). Publication No. 5 of the Association. 1938.

ANNOUNCEMENTS AND REPORTS OF MEETING

List of principal addresses to be delivered. Henry B. Ward. *Science* 85: 421. 1937.

Travel to Denver. Henry B. Ward. *Science* 85: 446. 1937.

Preliminary announcement of the meeting. Henry B. Ward. *Science* 85: 461-469. 1937.

Symposia at the Denver meeting. *Science* 85: 491-492. 1937.

Minutes of the Executive Committee. *Science* 85: 499-500. 1937.

Symposium on Control of Drifting Soils. *Science* 85: 514. 1937.

Permanent Secretary's general report, including reports of secretaries of the sections and of the participating societies. *Science* 86: 131-149. 1937.

THE INDIANAPOLIS MEETING, DEC. 27, 1937 - JAN. 1, 1938

(The 101st meeting of the Association and its 3d meeting at Indianapolis)

OFFICERS OF THE LOCAL COMMITTEE

Stanley Coulter, *chairman*; Ray C. Friesner, *secretary*

Henry T. Davis, *executive secretary*

PARTICIPATING SOCIETIES

Affiliated with Section on Mathematics

American Mathematical Society (78 + 15 papers¹)
 Mathematical Association of America (5 + 1 papers)
 Institute of Mathematical Statistics (8 + 7 papers)
 National Council of Teachers of Mathematics (9 papers)
 Association of Symbolic Logic (0 + 7 papers)

Affiliated with the Section on Physics

American Physical Society (64 + 3 papers)
 American Association of Physics Teachers (23 + 3 papers)
 American Meteorological Society (13 + 6 papers)
 Sigma Pi Sigma Physics Honor Society

Affiliated with Section on Zoological Sciences

American Society of Zoologists (147 + 19 papers)
 American Association of Economic Entomologists (108 + 7 papers)
 Entomological Society of America (48 + 7 papers)
 American Society of Parasitologists (68 papers)
 Wilson Ornithological Club (37 papers)

Affiliated with Section on Botanical Sciences

Botanical Society of America (117 + 27 papers)
 American Phytopathological Society (84 + 46 papers)
 American Society of Plant Physiologists (49 + 11 papers)
 Mycological Society of America (19 + 16 papers)
 American Fern Society
 Sullivant Moss Society (10 + 4 papers)
 American Society of Plant Taxonomists

Affiliated with Sections on Zoological and Botanical Sciences

American Society of Naturalists (3 + 1 papers)
 Ecological Society of America (31 + 28 papers)
 Genetics Society of America (55 + 5 papers)
 American Microscopical Society
 Limnological Society of America (29 + 6 papers)
 Phi Sigma Society (34 papers)
 Beta Beta Beta Honorary Biological Fraternity

¹The first number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society

Affiliated with Section on Social and Economic Sciences

Econometric Society (0 + 1 paper)

Metric Association (4 papers)

Affiliated with Section on Historical and Philological Sciences

History of Science Society (0 + 12 papers)

Affiliated with Section on Engineering

Institute of Aeronautical Sciences (8 papers)

Institute of Radio Engineers (5 papers)

Affiliated with Section on Agriculture

Potato Association of America (25 + 22 papers)

Society of American Foresters (0 + 10 papers)

Science in General

Society of the Sigma Xi (0 + 1 paper)

United Chapters of Phi Beta Kappa (0 + 1 paper)

American Nature Study Society (21 papers)

Gamma Alpha Graduate Scientific Fraternity

Honor Society of Phi Kappa Phi

Sigma Delta Epsilon Graduate Women's Fraternity

American Association of University Professors (2 papers)

American Science Teachers' Association (9 papers)

Union of American Biological Societies

Catholic Round Table of Science

GENERAL SESSIONS

Edwin G. Conklin, Princeton University. "Science and Ethics." (Address of retiring president.) *Science* 86: 595-603. 1937.

Irving Langmuir, General Electric Company. "Biological Applications of Surface Chemistry." (Sixteenth annual Sigma Xi lecture.) *Sigma Xi Quarterly* 26, No. 1. 1938.

George Lyman Kittredge, Harvard University. "Shakespeare and the Critics." (Third annual Phi Beta Kappa lecture.)

Thomas Parran, Surgeon-General, U. S. Public Health Service. "Syphilis as a Public Health Problem." *Science* 87: 147-152. 1938. Also Publication No. 6 (Syphilis) of the Association. 1938.

SPECIAL SESSIONS

Charles A. Kraus, Brown University. "The Present Status of the Theory of Electrolytes." (Fourteenth Josiah Willard Gibbs lecture.)

Esmond R. Long, Henry Phipps Institute. "Tuberculosis, Leprosy and

Allied Mycobacterial Infections." *Science* 87: 23-31. 1938. Publication No. 5 (Tuberculosis and Leprosy) of the Association. 1938.

Harold G. Moulton, Brookings Institution. "Science and Society." *Science* 87: 173-179. 1938.

ADDRESSES OF VICE PRESIDENTS

Section on Mathematics. G. C. Evans, University of California. "Mathematical Progress in Theoretical Economics."

Section on Physics. George B. Pegram, Columbia University.

Section on Chemistry. Irving Langmuir, General Electric Company. "Overturning and Anchoring of Monolayers." *Science* 87: 493-500. 1938. Publication No. 7 (Applications of Surface Chemistry in Biology, pp. 9-18) of the Association. 1939.

Section on Astronomy. Frederick H. Seares, Mt. Wilson Observatory. "Magnitudes Again." *Science* 87: 1-8. 1938.

Section on Geology. George R. Mansfield, U. S. Geological Survey. "Geology in National and Everyday Life." *Science* 87: 49-57. 1938.

Section on Zoological Sciences. Ralph S. Lillie, University of Chicago. "The Nature of Organizing Action."

Section on Botanical Sciences. J. M. Greenman, Missouri Botanical Gardens, St. Louis. "Taxonomy as a Field for Research." *Science* 87: 265-266. 1938.

Section on Anthropology. Ralph Linton, University of Wisconsin. "The Present Status of Anthropology." *Science* 87: 241-248. 1938.

Section on Psychology. A. T. Poffenberger, Columbia University. "Some Unsolved Problems in Human Adjustment." *Science* 87: 124-129. 1938.

Section on Social and Economic Sciences. Harold G. Moulton, Brookings Institution. "Controlled Factors in Economic Development." *Science* 87: 173-179. 1938.

Section on Engineering. William E. Wickenden, Case School of Applied Science. "The Social Sciences and Engineering Education." *Science* 87: 152-158. 1938.

Section on Medical Sciences. Esmond R. Long, Phipps Institute. "Tuberculosis, Leprosy and Allied Mycobacterial Infections." *Science* 87: 23-31. Publication No. 5 (Tuberculosis and Leprosy, pp. 123-133) of the Association. 1938.

Section on Education. E. S. Evenden, Columbia University. "Factors Affecting the Salaries of College and University Teachers."

SYMPOSIA

"College Physics in Its Relations to Pre-College Education" (2 papers). American Association of Physics Teachers.

"The Applications of Surface Chemistry in Biology" (6 papers). Section on Chemistry. Publication No. 7 of the Association. 1939.

"Recent Advances in Chemical Physics" (9 papers). Section on Chemistry. Publication No. 7 of the Association. 1939.

"Oil in the Pennsylvanian of the Eastern Interior Basin" (10 papers). Section on Geology.

"Sex Differentiation" (4 papers). American Society of Zoologists and Genetics Society of America.

"Hydrobiology" (6 papers). American Society of Zoologists and Limnological Society of America.

"The Relation Between Insects and Plant Diseases" (5 papers). American Association of Economic Entomologists, Entomological Society of America and American Phytopathological Society.

"Agencies for Extending Entomological Information" (7 papers). American Association of Economic Entomologists.

"The Concept of the Genus" (5 papers). Botanical Society of America.

"Growth and Development of Meristems with Special Reference to Reproduction" (6 papers). Botanical Society of America, American Society of Plant Physiologists and American Society for Horticultural Science.

"The Origin and Distribution of the Flora of the Middle West (6 papers). Botanical Society of America.

"Methods of Teaching Plant Physiology" (4 papers). American Society of Plant Physiologists.

"The Nature of Protoplasm" (3 papers). American Society of Zoologists, Botanical Society of America and Genetics Society of America.

"Breeding to Meet Economic Needs" (4 papers). Genetics Society of America.

"Science and Society" (9 papers). Section on Social and Economic Sciences.

"The Endocrines and Behavior" (4 papers). Section on Psychology.

"Social Implications of Modern Science (5 papers). Section on Historical and Philological Sciences and History of Science Society.

"Maya Civilization" (3 papers). Section on Historical and Philological Sciences.

"Syphilis" (29 papers). Section on Medical Sciences. Publication No. 6 of the Association. 1938.

"The Role of Minor Element Fertilization in Economic Plant Production" (8 papers). Section on Agriculture, American Society for Horticultural Science, Potato Association of America and American Society of Agronomy.

"Need for a Twelve Year Science Program for American Public Schools" (5 papers). American Science Teachers Association.

ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Announcement of the Indianapolis Meeting. F. R. Moulton. Science 86: 503-510. 1937.

Permanent Secretary's general report of meeting (including reports of the secretaries of the sections and of the participating societies). Science 87: 95-117. 1938.

MISCELLANEOUS ARTICLES, NOTES AND REPORTS

George David Birkhoff, president-elect of the Association for 1937. Science 85: 131. 1937.

Report of Committee on Grants for 1937. Science 85: 164. 1937.

Joint meeting of the Lancaster, Pa., Branch. Science 85: 283.

Principal Addresses at the Denver Meeting. F. R. Moulton. Science 85: 421. 1937.

Minutes of the April meeting of the Executive Committee. Henry B. Ward. Science 85: 499-500. 1937.

"Science." F. R. Moulton. Science 85: 571-575. 1937.

Activities of the Phoenix Branch of the Association. A. L. Flagg. Science 86: 58. 1937.

"Science and Society." F. R. Moulton. Science 86: 387-391. 1937.

Symposia Organized by the Section on Medical Sciences of the Association. Earl B. McKinley. Science 86: 414. 1937.

"Science and Democracy." J. McKeen Cattell. Science 86: 443. 1937.

October meeting of the Executive Committee of the Association. F. R. Moulton. Science 86: 495-496. 1937.

"New Societies and Shifting Interests." Henry B. Ward. Science 86: 579-580. 1937.

"Resolutions on Intellectual Freedom." Science 87: 10. 1938.

"Tuberculosis, Leprosy and Other Diseases Caused by Acid-Fast Bacteria." Wm. Charles White. Science 87: 14-15. 1938.

"Science's Magna Charta." The New York Times. Science 87: 16-17. 1938.

"Science for Humanity's Sake." The Washington Post. Science 87: 118. 1938.

"Pandemic Botany." C. Stuart Gager. Science 87: 285-292. 1938.

"Functions of an Ecological Society." R. E. Coker. Science 87: 310-315. 1938.

"Progress in Horticultural Science." Arthur J. Heinicke. Science 87: 333-337. 1938.

SUMMARIZED PROCEEDINGS

For the Calendar Year 1938

Volume LXI

SUMMARIZED PROCEEDINGS FOR 1938

The Association held two meetings in the calendar year 1938, one at Ottawa, Canada, from June 27 to July 2, inclusive, and the other in Richmond, Virginia, from December 27 to 31, inclusive. The Ottawa meeting was the fifth meeting of the Association in Canada, but the first in Ottawa; the Richmond meeting was the first meeting of the Association in Virginia. The Pacific Division held a meeting in San Diego, California, from June 20 to 25, inclusive, and the Southwestern Division held a meeting at Albuquerque, New Mexico, from April 25 to 28, inclusive.

At the Ottawa meeting the registration was 1104 and 466 addresses and papers were listed on the programs; at the Richmond meeting the registration was 2553 and 1706 addresses and papers were listed on the programs; at the San Diego meeting of the Pacific Division 832 persons were registered and the programs contained the titles of 312 addresses and papers; and at the Albuquerque meeting 113 persons were registered and 110 addresses and papers were delivered or read. At the close of the fiscal year 1938 (Sept. 30) the membership of the Association was 19,059, and the memberships of the Pacific and Southwestern Divisions were 2096 and 410, respectively.

OFFICERS OF THE ASSOCIATION FOR 1938

President. Wesley C. Mitchell (economics), Columbia University.

Retiring President. George D. Birkhoff (mathematics), Harvard University.

Permanent Secretary. F. R. Moulton, Washington, D. C.

General Secretary. Otis W. Caldwell, Boyce Thompson Institute for Plant Research.

Treasurer. John L. Wirt, Washington, D. C.

Secretary of the Council. Charles A. Shull, University of Chicago.

Executive Assistant. Sam Woodley, Washington, D. C.

Auditor. W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

Counsel. Charles S. Baker, Washington, D. C.

Members of the Executive Committee (page 95)

Members of the Finance Committee (page 95)

Members of the Committee on Grants (page 95)

Members of the Council (pages 95, 92-94)

Section Officers (pages 92-94)

OFFICERS OF THE PACIFIC DIVISION
(For the fiscal year June, 1937 - June, 1938)

President. J. S. Plaskett, Victoria, B. C., Canada.

Secretary. J. Murray Luck, Stanford University, Calif.

Council Representative. Roy E. Clausen, University of California.

OFFICERS OF THE SOUTHWESTERN DIVISION
(For the fiscal year April, 1937 - April, 1938)

President. Frank E. E. Germann, University of Colorado.

Secretary. Veon C. Kiech, University of New Mexico.

Council Representative. Frank E. E. Germann, University of Colorado.

THE OTTAWA, CANADA, MEETING, JUNE 27 TO JULY 2, 1938

(The 102d meeting of the Association and the 5th meeting in Canada)

OFFICERS OF THE LOCAL COMMITTEE

His Excellency, Lord Tweedsmuir, *patron*
 Senator Raoul Dandurand, *honorary chairman*
 C. Camsell, *chairman*

PARTICIPATING SOCIETIES

Affiliated with Section on Astronomy

Royal Astronomical Society of Canada (0 + 30 papers¹)

Affiliated with Section on Geology and Geography

Geological Society of America (0 + 41 papers)

Affiliated with Section on Zoological Sciences

American Association of Economic Entomologists and Entomological Society of America and Entomological Society of Ontario in joint sessions (0 + 28 papers)

Affiliated with Section on Botanical Sciences

Canadian Phytopathological Society (0 + 6 papers)

American Phytopathological Society (0 + 26 papers)

American Society of Plant Physiologists (6 + 20 papers)

Botanical Society of America (0 + 5 papers)

American Society of Plant Taxonomists (0 + 5 papers)

¹ First number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Affiliated with Sections on Zoological and Botanical Sciences

Ecological Society of America (0 + 8 papers)

Genetics Society of America (14 + 22 papers)

Affiliated with Section on Social and Economic Sciences

American Statistical Association (9 + 3 papers)

Canadian Agricultural Economics Society (20 + 3 papers)

Affiliated with Section on Engineering

Institute of the Aeronautical Sciences (9 papers)

Affiliated with Section on Agriculture

Society of American Foresters and Association of Forest Engineers of Quebec and Canadian Pulp and Paper Association, Woodlands Section, and Canadian Society of Forest Engineers (14 + 11 papers)

Canadian Society of Technical Agriculturists and Canadian Society of Animal Production and Canadian Agricultural Economics Society in joint sessions (0 + 55 papers)

American Society of Agronomy (7 papers)

GENERAL SESSIONS

Robert C. Wallace, Queen's University, Kingston, Ontario. "The Changing Values of Science." (Seventh Hector Maiben lecture.) Science 88: 265-272. 1938.

Stuart A. Rice, U. S. Central Statistical Bureau, Washington. "World Standards of Living." (First address on Science and Society program.) Science 90: 167-172. 1939.

F. E. Lathe, Division of Research Information, National Research Council of Canada. "World Natural Resources." (Second address on Science and Society program.) Science 88: 337-344. 1938.

William Crocker, Director, Boyce Thompson Institute for Plant Research. "The Botanical Sciences and the Future." (Third address on Science and Society program.) Science 88: 387-394. 1938.

Frank R. Lillie, The University of Chicago. "Zoological Sciences in the Future." (Fourth address on Science and Society program.) Science 88: 65-72.

Arthur H. Compton, University of Chicago. "Physics and the Future." (Fifth address on Science and Society program.) Science 88: 115-121.

Harold C. Urey, Columbia University. "Chemistry and the Future." (Sixth address on Science and Society program.) Science 88: 133-139.

M. W. Smith, Westinghouse Electric and Manufacturing Company. "The

Application of Science to the Electrical Industry." (Seventh address on Science and Society program.)

John Johnston, Director of Research, U. S. Steel Corporation. "The Application of Science to the Metallurgical Field." (Eighth address on Science and Society program.) *The Scientific Monthly* 48: 493-503. 1939.

SYMPOSIA

"Medical Biochemistry" (6 papers). Section on Chemistry and Section on Medical Sciences.

"The Nutrition Problem in North America" (8 papers). Section on Chemistry.

"The Application of Isotopes to Biochemical Properties" (4 papers). Section on Chemistry and Section on Zoological Sciences.

"Atmospheric Ozone and Measurement of Ultraviolet Light in Solar Radiation" (4 papers). Section on Astronomy and Royal Astronomical Society of Canada.

"The Migration and Conservation of Salmon" (6 papers). Section on Zoological Sciences. Publication No. 8 of the Association. 1939.

"The Relation of Insects to Forest Conservation" (5 papers). American Association of Economic Entomologists, Entomological Society of America, Entomological Society of Ontario, Society of American Foresters, Canadian Society of Forest Engineers and Association of Forest Engineers of Quebec.

"The Genetics of Pathogenic Organisms" (11 papers). Section on Botanical Sciences, Section on Medical Sciences, Section on Agriculture and Genetics Society of America. Publication No. 12 of the Association. 1940.

"Phytogeographical Problems of Northeastern Canada" (5 papers). Section on Botanical Sciences, Botanical Society of America and American Society of Plant Taxonomists.

"Root Rots and Seed Borne Diseases" (6 papers). Canadian Phytopathological Society and American Phytopathological Society.

"Micro-Elements and Deficiency Diseases" (9 papers). American Phytopathological Society and American Society of Plant Physiologists.

"Drought Relations" (11 papers). American Society of Plant Physiologists and Genetics Society of America.

"The Influence of Fire on Forests, Wild Life and Public Welfare" (3 papers). Ecological Society of America, Society of American Foresters and Canadian Society of Forest Engineers.

"History of Science in Canada" (9 papers). Section on Historical and Philological Sciences.

"*Bacillus Calmette-Guérin* (B.C.G.)" (5 papers). Section on Medical Sciences.

"Progress of Swine Improvement in Canada" (7 papers). Canadian Agricultural Economics Society.

ANNOUNCEMENTS AND REPORTS OF MEETING

Preliminary Announcement for the Ottawa Meeting. Science 87: 445-451. 1938.

American and Canadian Scientists Meet in Ottawa. F. R. Moulton. The Scientific Monthly 47: 87-89. 1938.

Permanent Secretary's general report of the meeting, including reports of the secretaries of the sections and of the participating societies. F. R. Moulton. Science 88: 87-101. 1938.

Report of the Ottawa Meeting. F. R. Moulton. The Scientific Monthly 47: 183-184. 1938.

THE VIRGINIA (RICHMOND) MEETING, DEC. 27-31, 1938
(*The 103d meeting of the Association and its 1st meeting in Virginia*)

OFFICERS OF LOCAL COMMITTEE

Lloyd C. Bird, *chairman*; W. Catesby Jones, *co-chairman*
L. W. Himmeler, *secretary*

PARTICIPATING SOCIETIES

Affiliated with Section on Mathematics

American Mathematical Society (0 + 2 papers¹)

Mathematical Association of America (0 + 2 papers)

Affiliated with Section on Physics

American Meteorological Society (14 papers)

Affiliated with Section on Astronomy

Society for Research on Meteorites (14 + 9 papers)

Affiliated with Section on Geology and Geography

Geological Society of America (0 + 59 papers)

American Geophysical Union (0 + 9 papers)

Carolina Geological Society (0 + 29 papers)

Affiliated with Section on Zoological Sciences

American Society of Zoologists (156 + 7 papers)

¹ The first number is the number of papers on the program of the society alone; the second is the number presented before a joint session of the society and another society.

American Association of Economic Entomologists (98 + 12 papers)
Entomological Society of America (33 + 6 papers)
American Society of Parasitologists (73 papers)

Affiliated with Section on Botanical Sciences

Botanical Society of America (82 + 80 papers)
American Phytopathological Society (95 + 49 papers)
American Society of Plant Physiologists (42 + 46 papers)
Mycological Society of America (30 + 16 papers)
Sullivant Moss Society (12 papers)
American Fern Society (1 paper)
American Society of Plant Taxonomists

Affiliated with Sections on Zoological and Botanical Sciences

American Society of Naturalists (1 + 3 papers)
Ecological Society of America (36 + 21 papers)
Genetics Society of America (58 + 7 papers)
American Microscopical Society
Limnological Society of America (29 + 0 papers)
National Association of Biology Teachers (9 papers)

Affiliated with Section on Medical Sciences

American Psychiatric Association, Council

Affiliated with Section on Agriculture

American Society of Agronomy (0 + 4 papers)
American Society for Horticultural Sciences
Potato Association of America (34 + 25 papers)
Society of American Foresters (0 + 4 papers)

Science in General

Society of the Sigma Xi
United Chapters of Phi Beta Kappa
American Nature Study Society (22 papers)
American Science Teachers Association (8 papers)
Gamma Alpha Graduate Scientific Fraternity
Sigma Delta Epsilon Graduate Women's Fraternity
Pi Gamma Mu
Union of American Biological Societies
Catholic Round Table of Science

GENERAL SESSIONS

George D. Birkhoff, Harvard University. "Intuition, Reason and Faith in Science." (Address of retiring president of the Association.) *Science* 88: 601-609. 1938.

W. F. Durand, Stanford University. "Modern Trends in Air Transport." (Seventeenth annual Sigma Xi address.) *Sigma Xi Quarterly* 27, No. 1. 1939.

Frank Pierrepont Graves, president of the University of the State of New York. "Is Education a Science?" (Fourth annual Phi Beta Kappa lecture.) *The American Scholar*. 1939.

David Sarnoff, Radio Corporation of America. "Science and Freedom." *Radio Corporation of America*. 1938.

Sir Richard Gregory, editor of *Nature*, London, England. "Religion in Science." *The Scientific Monthly* 48: 99-108. 1939.

C. McFie Campbell, Director, Boston Psychopathic Hospital. "Human Needs and Social Resources." *The Scientific Monthly* 48: 293-307. 1939. Publication No. 9 of the Association (Mental Health), pp. 457-470. 1939.

Harvey Fletcher, Bell Telephone Laboratories, New York. "Auditory Patterns." (Address of retiring vice president for the Section on Physics.)

SPECIAL SESSIONS

Cranston Williams, Southern Newspaper Publishers Association. "Dr. Charles Herty's Methods for Meeting the Problems of the South."

Wm. T. Sanger, president of the Medical College of Virginia. "Virginia Homes and Gardens." (Illustrated by colored slides.)

Wm. M. Mann, director of the National Zoological Park, Washington, D. C. "Motion Pictures of Wild Animals in Sumatra."

ADDRESSES OF VICE PRESIDENTS

Section on Mathematics. W. D. Cairns, Oberlin College. "Seismology from a Mathematical Viewpoint." *Science* 89: 113-118. 1939.

Section on Physics. Harvey B. Fletcher, Bell Telephone Laboratories. "Auditory Patterns." (With demonstrations.)

Section on Chemistry. Farrington Daniels, University of Wisconsin. "Reaction Rates."

Section on Astronomy. Philip Fox, Museum of Science and Industry, Chicago. "Astronomers and Their Tools."

Section on Geology and Geography. Kirtley F. Mather, Harvard University. "Earth Structure and Earth Origin." *Science* 89: 65-70. 1939.

Section on Zoological Sciences. F. B. Sumner, Scripps Institute of Oceanography. "Human Psychology and Some Things That Fishes Do." *The Scientific Monthly* 49: 245-255. 1939.

Section on Botanical Sciences. F. E. Denny, Boyce Thompson Institute for Plant Research. "Production of Ethylene by Plants."

Section on Anthropology. John Swanton, U. S. Bureau of American Ethnology. "Some Thoughts on the Problem of Progress and Decline." *Science* 89: 253-258. 1939.

Section on Psychology. Calvin P. Stone, Stanford University. "Individual Differences as Points of Departure for Research in Animal Psychology."

Section on Historical and Philological Sciences. R. C. Archibald, Brown University. "Mathematics, and Poetry and Drama." *Science* 89: 19-26, 46-50. 1939.

Section on Social and Economic Sciences. Stuart A. Rice. "Standards of Living as Functions of Science and of Social Organization." *Science* 90: 167-172. 1939.

Section on Engineering. Joseph W. Barker, Columbia University. "Engineering Planning vs. Planned Economy."

Section on Medical Sciences. Thomas M. Rivers, Rockefeller Institute for Medical Research, New York. "The Nature of Viruses."

Section on Agriculture. E. C. Auchter, U. S. Bureau of Plant Industry, Washington, D. C. "The Inter-relations of Soils and Plant, Animal and Human Nutrition." *Science* 89: 421-427. 1939.

Section on Education. Ralph W. Tyler, The University of Chicago. "Basic Considerations in the Improvement of Educational Tests."

SYMPOSIA

"Reaction Rates in Organic Chemistry" (5 papers). Section on Chemistry.

"Natural Resins" (4 papers). Section on Chemistry.

"Phenanthrene and Related Compounds" (6 papers). Section on Chemistry.

"The Importance of Geophysics to the Study of Continental Borders" (9 papers). Section on Geology and Geography, American Geophysical Union, Geological Society of America and Section on Astronomy.

"Geology of the Coastal Plain and Continental Shelf" (12 papers). Section on Geology and Geography and Geological Society of America.

"Chromosome Structure" (4 papers). American Society of Zoologists and Genetics Society of America.

"Color Changes in Animals, Their Significance and Activation" (6 papers). American Society of Zoologists.

"Mating Types and Their Interactions in Ciliate Infusoria; Determination, Inheritance and Relation to Sexuality" (6 papers). American Society of Zoologists.

"Insect Populations" (5 papers). American Association of Economic Entomologists, Entomological Society of America and Ecological Society of America.

"The Effects of Water-Soluble Growth-Promoting Substances on Plants" (3 papers). Botanical Society of America.

"Influence of Low Temperature on Plants" (5 papers). Botanical Society of America.

"The Structure of Chloroplasts" (3 papers). Botanical Society of America.

"The Physiology and Diseases of Cotton" (9 papers). American Society of Plant Physiologists, American Phytopathological Society and Botanical Society of America, Physiological Section.

"The Teaching of Plant Physiology" (5 papers). American Society of Plant Physiologists.

"Contributions of the Higher Animals to an Understanding of Human Biology" (3 papers). American Society of Naturalists, American Society of Zoologists, Botanical Society of America, Genetics Society of America and Section on Anthropology.

"Some Leading Problems of Limnology with Special Reference to Lakes" (9 papers). Limnological Society of America. Publication No. 10 of the Association entitled "Problems of Lake Biology." 1939.

"Research in Audition: The Next Steps" (5 papers). Section on Psychology.

"Significance of the Pareto Distribution" (3 papers). Section on Social and Economic Sciences.

"Centenary of the Cell Theory" (7 papers). Section on Historical and Philological Sciences, Section on Zoological Sciences and Section on Botanical Sciences. Reprinted from the American Naturalist by the Jaques Cattell Press. 1940.

"Mental Health" (94 papers). Section on Medical Sciences. Publication No. 9 of the Association. 1939.

"Dental Caries: Diet and Nutrition; Bacterial; Heredity; Distribution; Chemical; Tooth Structure; Blood and Saliva" (22 papers). Subsection on Dentistry.

"Glycols" (5 papers). Subsection on Pharmacy.

"Land Use" (3 papers). Section on Agriculture and Section on Social and Economic Sciences.

"Economic Effects on Education" (4 papers). Section on Education.

"Problems of Interpretation of Educational Research" (7 papers). Section on Education.

"Problems in Reading" (4 papers). Section on Education.

"New Developments in Education" (5 papers). Section on Education.

"Ferns of Virginia and Neighboring States." American Fern Society.

ANNOUNCEMENTS AND REPORTS OF MEETING

Preliminary Announcement of the Virginia meeting. F. R. Moulton. Science 88: 509-517. 1938.

The Virginia (Richmond) meeting of the Association. F. R. Moulton. The Scientific Monthly 47: 561-563. 1938.

Permanent Secretary's general report, including reports of the secretaries of the sections and of the participating societies. Science 89: 89-112. 1939.

MISCELLANEOUS ARTICLES, NOTES AND REPORTS

A Special Research Conference on Chemistry organized by the Section on Chemistry. F. R. Moulton. Science 88: 8-9. 1938.

Cooperation Between the British and American Associations. F. R. Moulton. Science 88: 258-259. 1938.

The Scientific Monthly and the American Association for the Advancement of Science. J. McKeen Cattell. Science 88: 428-429. 1938.

Symposium on Mental Health. Malcolm H. Soule. Science 88: 302-305.

The Cell and the Problem of Organization. Edmund W. Sinnott. Science 89: 41-46. 1939.

Walter B. Cannon, President-Elect of the Association. Esmond R. Long. Science 89: 92-93. 1939.

Financial Reports of the Treasurer and the Permanent Secretary. F. R. Moulton. Science 89: 201-202. 1939.

Grants in Aid of Research for 1939. Science 89: 405. 1939.

THE SAN DIEGO, CALIF., MEETING, JUNE 20-25, 1938

(The 22d annual meeting of the Pacific Division)

LOCAL ORGANIZATIONS SPONSORING THE MEETING

San Diego Society of Natural History
Scripps Institution of Oceanography
San Diego Museum Association
Zoological Society of San Diego
San Diego State College
San Diego County Medical College

PARTICIPATING SOCIETIES

American Association of Physics Teachers (5 papers)
American Meteorological Society (12 papers)
American Physical Society (9 papers)
American Chemical Society (42 papers)
Astronomical Society of the Pacific (31 papers)

Association of Pacific Coast Geographers (14 papers)
Oceanographic Society of the Pacific (8 papers)
American Association of Economic Entomologists, Pacific Slope Branch
(15 papers)
American Society of Ichthyologists and Herpetologists, Western Division
Pacific Coast Entomological Society
Western Society of Naturalists (9 papers)
American Phytopathological Society, Pacific Division (24 papers)
American Society of Plant Physiologists, Western Section (35 papers)
Botanical Society of America, Pacific Section (25 papers)
Ecological Society of America (14 papers)
American Anthropological Association, Pacific Division (17 papers)
Society of American Bacteriologists, Southern California Section
(10 papers)
Society for Experimental Biology and Medicine, Pacific Coast Branch
and Society for Experimental Biology and Medicine, Southern California Branch (8 papers)
Western Society of Soil Science (20 papers)

GENERAL SESSIONS

J. S. Plaskett, Director, Dominion Astrophysical Observatory, Victoria, B. C. "Modern Conceptions of the Stellar System." (Address of retiring president of the Pacific Division.)

B. O. Raulston, University of California, Los Angeles; A. J. Carlson, University of Chicago; and Harry Beal Torrey, Stanford University, were the speakers on a general session symposium on "Animal Experimentation." *Science* 88: 245-250. 1938.

John B. Leighly, University of California, Berkeley; Ernst Antevs, Globe, Arizona, Merrill K. Bennett, Stanford University, and C. M. Reynolds, Stanford University, were the participants in a general session symposium on "Climate and Man."

C. Skottsberg, Botanical Garden, Gothenburg, Sweden. "The Distribution of Flowering Plants Over the Pacific Ocean and Its Significance."

SPECIAL REPORTS ON SCIENTIFIC PROGRESS

J. A. Anderson, Mount Wilson Observatory. "Recent Instrumental Developments in Astronomy."

H. U. Sverdrup, Scripps Institution of Oceanography. "Recent Advances in Our Knowledge of the Oceans."

C. H. Danforth, Stanford University. "The Sex Hormones."

Richard Goldschmidt, University of California, Berkeley, Calif. "Genetics."

SYMPOSIA

"Nuclear Transformations and Their Astrophysical Significance" (3 papers). American Physical Society and Astronomical Society of the Pacific.

"Physical Problems of the Ocean" (6 papers). American Physical Society.

"Salt Tolerance of Plants and Related Problems" (4 papers). American Society of Plant Physiologists, Western Section, and Western Society of Soil Science.

"Plant Invasion on the Pacific Coast" (4 papers). American Society of Plant Physiologists, Western Section, and Botanical Society of America, Pacific Section.

"Cell Wall Structure" (5 papers). American Society of Plant Physiologists, Western Section, and Botanical Society of America, Pacific Section.

"A Resume of Progress in Plant Science" (4 papers). American Society of Plant Physiologists, Western Section, and Botanical Society of America, Pacific Section.

"History and Relationships of the Southwestern Flora" (3 papers). Botanical Society of America, Pacific Section.

"The Problem of Culture Sequence on the West Coast" (5 papers). American Anthropological Association, Pacific Division.

PRELIMINARY ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Announcement of the San Diego meeting of the Pacific Division. *Science* 87: 317-318. 1938.

Secretary's general report of the meeting. J. Murray Luck. *Science* 88: 195-204. 1938.

THE ALBUQUERQUE, NEW MEXICO, MEETING,
APRIL 25-28, 1938

(The 18th meeting of the Southwestern Division and its 2d meeting in Albuquerque)

PARTICIPATING SOCIETIES

Mathematical Association of America, Southwestern Section

Society of American Foresters, Southwestern Section

American Association of University Professors, Rocky Mountain Region

American Society of Civil Engineers, New Mexico Section

GENERAL SESSIONS

Frank E. E. Germann, University of Colorado. "The Occurrence of Carbon Dioxide with Notes on the Origin and Relative Importance of Sub-

terranean Carbon Dioxide." (Address of retiring president.) Science 87: 513-521. 1938.

E. R. Hedrick, Provost of University of California, Los Angeles. "Relations of Science to Economics and to War." (Ninth John Wesley Powell lecture.)

Herbert C. Stewart, Head of Section of Erosion Control Practices, Rio Grande District, Soil Conservation Service, and Thomas Maddock, Section of Watershed and Hydrologic Studies, Soil Conservation Service, were the speakers at a general-session symposium on "The Results of Soil Conservation," at which John D. Clark presided.

E. R. Hedrick, Provost of University of California, Los Angeles, and Harold Benjamin, Dean of College of Education, University of Colorado, delivered addresses at a dinner of the American Association of University Professors, the former on "Place and Function of Faculties in University Government" and the latter on "University Administration in the Americas."

SYMPOSIA

"Social Diseases" (4 papers). Biological Sciences Section.

"Meteorology" (4 papers). Physical Sciences Section.

"Teaching Problems in Mathematics" (5 papers). Mathematics Section.

PRELIMINARY ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Announcement of the Albuquerque Meeting of the Southwestern Division. Veon C. Kiech. Science 87: 134. 1938.

Secretary's general report of the meeting. Veon C. Kiech. Science 87: 508-510. 1938.

SUMMARIZED PROCEEDINGS

For the Calendar Year 1939

Volume LXII

SUMMARIZED PROCEEDINGS FOR 1939

The Association held two meetings in the calendar year 1939, a summer meeting at Milwaukee, Wis., June 19-24, and the annual meeting at Columbus, Ohio, Dec. 27, 1939 - Jan. 2, 1940. The only previous meeting held in Wisconsin was at Madison in August, 1893. The Association first met in Columbus in August, 1899, and held a second meeting there in Dec., 1915-Jan., 1916. The Pacific Division held its annual meeting at Stanford University, June 26 - July 1, 1939. The Southwestern Division held its annual meeting in connection with the dedication of the McDonald Observatory at Alpine, Texas, May 2-5, 1939.

At the Milwaukee meeting the registration was 331 and there were 264 papers listed on the programs. At the annual meeting in Columbus 2715 persons were registered and 2154 addresses and papers were delivered or read. At the Pacific Division meeting at Stanford University the registration was 882, with 440 papers on the program. The registration was not reported for the meeting of the Southwestern Division at Alpine; there were 112 papers on the program.

OFFICERS OF THE ASSOCIATION FOR 1939

President. Walter B. Cannon, Harvard University.

Retiring President. Wesley C. Mitchell, Columbia University.

Permanent Secretary. F. R. Moulton, Washington, D. C.

General Secretary. Otis W. Caldwell, Boyce Thompson Institute for Plant Research.

Treasurer. John L. Wirt, Washington, D. C.

Assistant Secretary. Sam Woodley, Washington, D. C.

Auditor. W. J. Humphreys, U. S. Weather Bureau, Washington, D. C.

Counsel. Charles S. Baker, Washington, D. C.

Members of the Executive Committee (page 95)

Members of the Finance Committee (page 95)

Members of the Committee on Grants (page 95)

Members of the Council (pages 95, 92-94)

Section Officers (pages 92-94)

OFFICERS OF THE PACIFIC DIVISION

(For the fiscal year June, 1938 - June, 1939)

President. S. J. Holmes, University of California.

Secretary. J. Murray Luck, Stanford University.

Council Representative. Roy E. Clausen, University of California.

OFFICERS OF THE SOUTHWESTERN DIVISION

*(For the fiscal year April, 1938 - April, 1939)**President.* E. F. Carpenter, University of Arizona.*Secretary.* Emil Haury, University of Arizona.*Council Representative.* Frank E. E. Germann, University of Colorado.

THE MILWAUKEE MEETING, JUNE 19-24, 1939

(The 104th meeting of the Association)

OFFICERS OF THE LOCAL COMMITTEE

S. A. Barrett, *general chairman*Governor Julius P. Heil, *honorary co-chairman*Mayor Daniel W. Hoan, *honorary co-chairman*Dr. Clarence Dykstra, *honorary co-chairman*Rev. R. C. McCarthy, S. J., *honorary co-chairman*

PARTICIPATING SOCIETIES

Affiliated with Section on Physics

American Meteorological Society (22 papers)

*Affiliated with Section on Botanical Sciences*American Society of Plant Physiologists (3 + 3 papers¹)

American Phytopathological Society (0 + 3 papers)

Affiliated with Sections on Zoological and Botanical Sciences

Ecological Society of America (4 + 12 papers)

Affiliated with Section on Social and Economic Sciences

Population Association of America (0 + 20 papers)

Affiliated with Section on Engineering

American Society of Agricultural Engineers (0 + 14 papers)

Affiliated with Section on Medical Sciences

American Neisserian Medical Society (0 + 33 papers)

Affiliated with Section on Agriculture

Society of American Foresters (17 + 4 papers)

GENERAL SESSIONS

Victor G. Heiser, Metropolitan Tower, New York. "The Influence of

¹ First number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Nutrition on the Diseases of Middle and Old Age." *The Scientific Monthly* 49: 304-310. 1939.

Heber D. Curtis, University of Michigan. "Solar Storms." (Illustrated with motion pictures taken at the McMath-Hulbert Observatory of the University of Michigan.)

SPECIAL SESSIONS

The third conference on "Science and Society" consisted of four Special Sessions at each of which two papers were presented. They were as follows:

George W. Edwards, College of the City of New York. "The Capitalistic System and How It Evolved."

Rufus S. Tucker, General Motors Corporation. "Free Enterprise and Scientific Development."

Charles F. Roos, Institute of Applied Econometrics. "The Application of Natural Science Methodology to Economic Studies."

Harold G. Moulton, The Brookings Institution. "Economics and Its Dynamic Aspects."

Leverett S. Lyon, The Brookings Institution. "The Role of Government in the Economic System."

James W. Bell, Northwestern University. "Government Finance and Economic Stability."

Charles H. Judd, National Resources Committee. "Present Relations of Government to Science."

William F. Ogburn, University of Chicago. "Should the Government Finance Non-governmental Research Activities?"

SYMPOSIA

"Kinetics of Homogeneous Gas Reactions" (19 papers). The Section on Chemistry and American Chemical Society, Division of Physical and Inorganic Chemistry. (Presented at the University of Wisconsin, Madison, Wis., June 20-22.)

"Soil Conservation and Land Utilization in the Great Lakes Region" (14 papers). The Section on Geology and Geography, American Society of Agricultural Engineers, the Section on Engineering, Association of American Geographers and Geological Society of America.

"The Relation of Genetics to Geographical Distribution and Speciation" (5 papers). Section on Zoological Sciences.

"Regeneration" (5 papers). Section on Zoological Sciences.

"Socio-Economic Approach to Land Use" (4 papers). Section on Botanical Sciences, Ecological Society of America, Society of American Foresters and Section on Agriculture.

"Photoperiodism" (3 papers). American Society of Plant Physiologists,

Section on Botanical Sciences and American Phytopathological Society.

"Measuring Attitudes." Section on Psychology.

"Psychological Bases of Mental Hygiene." Section on Psychology.

"Neuromuscular Tension." Section on Psychology.

"Population Problems and Programs in the Northern Lake States" (17 papers). The Section on Social and Economic Sciences, Population Association of America, Ecological Society of America and Section on Agriculture.

"Gonococcus and Gonococcal Infection" (33 papers). The Section on Medical Sciences and the American Neisserian Medical Society. Publication No. 11 of the Association. 1939.

"Vitamins with Particular Reference to Their Standardization" (6 papers). Subsection on Pharmacy.

"Forest Rehabilitation in the Lake States" (8 papers). Society of American Foresters.

"The Education of the Emotions" (17 papers). The Section on Education.

ANNOUNCEMENTS AND REPORTS OF MEETING

Preliminary Announcement of the Milwaukee Meeting. F. R. Moulton. *Science* 89: 469-474. 1939.

"Milwaukee a Mecca for Scientists in June." F. R. Moulton. *The Scientific Monthly* 48: 575-576. 1939.

Permanent Secretary's general report of the meeting, including reports of the secretaries of the sections and of the participating societies. F. R. Moulton. *Science* 90: 45-55. 1939.

"Reflections on the Milwaukee Meeting." F. R. Moulton. *The Scientific Monthly* 49: 86-88. 1939.

MISCELLANEOUS ARTICLES, NOTES AND REPORTS

"The American Association for the Advancement of Science and the National Education Association." *Science* 89: 147. 1939.

Financial reports of the Treasurer and the Permanent Secretary for the fiscal year ended September 30, 1938. *Science* 89: 201-202. 1939.

"The Society of the Sigma Xi." Edward Ellery. *Science* 89: 201. 1939.

Joint Symposium of the American Chemical Society, the University of Wisconsin and the A.A.A.S. Harold C. Urey. *Science* 89: 463-464. 1939.

"Science and Social Pioneering." Isaiah Bowman, president of The Johns Hopkins University. (The first British and American Association exchange lecture. The Dundee, Scotland, meeting of the British Association, September, 1939.) *Science* 90: 309-319. 1939.

THE COLUMBUS, OHIO, MEETING, DEC. 27, 1939 - JAN. 2, 1940
(*The 105th meeting of the Association and its 3d meeting at Columbus*)

OFFICERS OF THE LOCAL COMMITTEE

Alpheus W. Smith, *chairman*

Howard L. Hamilton, *executive secretary*

PARTICIPATING SOCIETIES

Affiliated with Section on Mathematics

American Mathematical Society (64 + 4 papers¹)

Mathematical Association of America (6 + 6 papers)

National Council of Teachers of Mathematics (16 + 5 papers)

Affiliated with Section on Physics

American Physical Society (75 + 2 papers)

American Association of Physics Teachers (25 + 2 papers)

American Meteorological Society (9 papers)

Affiliated with Section on Astronomy

American Astronomical Society (39 + 11 papers)

Society for Research on Meteorites (9 + 14 papers)

Affiliated with Section on Geology and Geography

Geological Society of America (0 + 55 papers)

Ohio Academy of Science, Section of Geology (0 + 31 papers)

American Geophysical Union (0 + 6 papers)

Affiliated with Section on Zoological Sciences

American Society of Zoologists (187 + 8 papers)

American Association of Economic Entomologists (105 + 9 papers)

Entomological Society of America (49 + 15 papers)

American Society of Parasitologists (84 papers)

Affiliated with Section on Botanical Sciences

Section on Botanical Sciences

Botanical Society of America (111 + 55 papers)

American Phytopathological Society (101 + 53 papers)

American Society of Plant Physiologists (37 + 16 papers)

Mycological Society of America (22 + 17 papers)

Sullivan Moss Society (14 papers)

American Fern Society (2 + 4 papers)

American Society of Plant Taxonomists

¹ First number is the number of papers presented at sessions at which the society met alone; the second is the number presented at one or more joint sessions of the society.

Affiliated with Sections on Zoological and Botanical Sciences

American Society of Naturalists (1 + 3 papers)
 Ecological Society of America (43 + 29 papers)
 Genetics Society of America (58 + 8 papers)
 American Microscopical Society
 Limnological Society of America (32 + 8 papers)
 Phi Sigma Society (24 papers)
 National Association of Biology Teachers (12 papers)
 Union of American Biological Societies

Affiliated with Section on Social and Economic Sciences

Metric Association (7 papers)

Affiliated with Section on Historical and Philological Sciences

History of Science Society (5 + 1 papers)

Affiliated with Section on Agriculture

Society of American Foresters (15 + 14 papers)
 American Society for Horticultural Sciences (178 + 31 papers)
 Potato Association of America (18 + 22 papers)

Affiliated with Section on Education

American Federation of Teachers

Science in General

Society of the Sigma Xi
 United Chapters of Phi Beta Kappa
 American Nature Study Society (22 papers)
 American Science Teachers Association (8 papers)
 Honor Society of Phi Kappa Phi (1 paper)
 Gamma Alpha Graduate Scientific Fraternity
 Sigma Delta Epsilon Graduate Women's Fraternity (1 paper)
 Pi Gamma Mu, National Social Science Honor Society (2 papers)
 American Association of Scientific Workers (3 papers)
 The Catholic Round Table of Science

GENERAL SESSIONS

Wesley C. Mitchell, Columbia University. "The Public Relations of Science." (Address of retiring president of the Association.) Science 90: 599-607. 1939.

Isaiah Bowman, president of the Johns Hopkins University. "Who Is Responsible for Peace?" (Address under auspices of Honor Society of Phi Kappa Phi.)

Kirtley F. Mather, Harvard University. "The Future of Man as an Inhabitant of the Earth." (Eighteenth annual Sigma Xi lecture.) *Sigma Xi Quarterly* 28, No. 1, 1940; *The Scientific Monthly* 50: 193-203. 1940.

Julian Huxley, London, England. "Science, War and Reconstruction." (Second British and American Association exchange lecture.) *Science* 91: 151-158. 1940.

Marjorie Hope Nicolson, Smith College. "Science and Literature." (Fifth annual Phi Beta Kappa lecture.)

ADDRESSES OF VICE PRESIDENTS

Section on Mathematics. J. R. Kline, University of Pennsylvania. "The Jordan Curve Theorem."

Section on Physics. Herbert E. Ives, Bell Telephone Laboratories. "The Measurement of Velocity with Atomic Clocks." *Science* 91: 79-84. 1940.

Section on Chemistry. Harold C. Urey, Columbia University. "The Dependence of Physical and Chemical Properties on Mass, and the Separation of Isotopes."

Section on Astronomy. R. Meldrum Stewart, Dominion Observatory, Ottawa, Canada. "Some Remarks on Gravity Clock Escapements."

Section on Geology and Geography. Walter H. Bucher, University of Cincinnati. "Problems of the Atlantic Ocean."

Section on Zoological Sciences. Wesley R. Coe, Yale University. "Divergent Pathways in Sexual Development." *Science* 91: 175-182. 1940.

Section on Botanical Sciences. Raymond J. Pool, University of Nebraska. "White Man Versus the Prairie." *Science* 91: 53-58. 1940.

Section on Anthropology. Diamond Jenness, National Museum of Canada, Ottawa, Canada. "Canada's Indian Problems."

Section on Psychology. J. F. Dashiell, University of North Carolina. "A Neglected Fourth Dimension to Psychological Research."

Section on Historical and Philological Sciences. Nelson Glenn McCrea, Columbia University. "Literature as an Ally of the Social Sciences."

Section on Engineering. A. A. Potter, Purdue University. "Research and Invention in Engineering Colleges." *Science* 91: 1-7. 1940.

Section on Medical Sciences. C. J. Wiggers, Western Reserve University School of Medicine. "Pathways of Medical Progress." *Science* 91: 25-31. 1940. Publication No. 13 (Blood, Heart and Circulation) of the Association, pp. 1-9. 1940.

Section on Agriculture. Robert M. Salter, Ohio Agricultural Experiment Station, Wooster, Ohio. "Some Soil Factors Affecting Tree Growth." *Science* 91: 391-398. 1940.

Section on Education. George D. Stoddard, University of Iowa. "Reflections upon the I. Q."

SYMPOSIA

"Relational Thinking in Secondary Mathematics" (12 papers). National Council of Teachers of Mathematics.

"Isotopes" (13 papers). Section on Chemistry.

"Photosynthesis" (14 papers at regular sessions and a round-table discussion after dinner). Section on Chemistry.

"Glacial and Geomorphic Development of the Ohio Basin" (12 papers). Section on Geology and Geography, Geological Society of America and Ohio Academy of Science (Section on Geology).

"Industrial Minerals" (9 papers). Section on Geology and Geography and Geological Society of America.

"Paleozoic Stratigraphy of the Ohio Basin" (13 papers). Section on Geology and Geography, Geological Society of America and Ohio Academy of Science (Section on Geology).

"Meteorite Falls and Meteorite Accretion" (5 papers). Section on Geology and Society for Research on Meteorites.

"Applications of Mathematics to the Earth Sciences" (5 papers). Section on Geology and Geography, Section on Mathematics, American Mathematical Society, Mathematical Association of America and Geological Society of America.

"Hydrologic Problems in the Ohio and Michigan Basins" (6 papers). Section on Geology and Geography, Geological Society of America (Section on Hydrology), American Geophysical Union and Ohio Academy of Sciences (Section on Geology).

"Speciation" (5 papers). American Society of Zoologists and Genetics Society of America.

"Experimental Study of Cellular Organization" (5 papers). American Society of Zoologists.

"Fifty Years of Entomological Progress" (5 papers). American Association of Economic Entomologists and Entomological Society of America.

"Viruses and Plant Quarantines" (4 papers). American Association of Economic Entomologists and American Phytopathological Society.

"Training for the Various Fields of Entomology" (5 papers). American Association of Economic Entomologists.

"Physiological Processes of Plants in Relation to Temperature" (5 papers). Botanical Society of America (Physiological Section), American Society for Horticultural Science and American Society of Plant Physiologists.

"Defense Mechanisms in Plants and Animals" (3 papers). Botanical Society of America, American Society of Naturalists, American Society of Zoologists, Genetics Society of America and Section on Medical Sciences.

"The Teaching of Plant Physiology" (3 papers). American Society for Plant Physiology.

"Relation of Ecology to Human Welfare—The Human Situation" (5 papers). Ecological Society of America.

"The Internal Environment and Behavior." Section on Psychology.

"Effects of Science upon Human Beings" (4 papers). Fourth Science and Society Conferences of Section on Social and Economic Sciences.

"Blood, Heart and Circulation" (39 papers). Section on Medical Sciences. Publication No. 13 of the Association. 1940.

"Definite Oral Manifestations of Systemic Disease" (9 papers). Sub-section on Dentistry.

PRELIMINARY ANNOUNCEMENTS AND REPORTS

Preliminary Announcement of the Columbus Meeting. F. R. Moulton. *Science* 90: 499-507. 1939.

"Scientists Assemble at Richmond." F. R. Moulton. *The Scientific Monthly* 49: 573-576. 1939.

Permanent Secretary's general report, including reports of secretaries of sections and participating societies. F. R. Moulton. *Science* 91: 101-124. 1940.

"American Association in Action." F. R. Moulton. *The Scientific Monthly* 50: 85-91. 1940.

MISCELLANEOUS ARTICLES, NOTES AND REPORTS

"Constitutional Barriers to Involvement of the Nervous System by Certain Viruses." Albert B. Sabin. (Address upon receipt of the Theobald Smith Award of the Association.) *Science* 91: 84-87. 1940.

"The Nation and Petroleum Geology Today." Hugh D. Miser. *Science* 91: 251-255. 1940.

Report of Committee on Grants for 1940. *Science* 91: 124. 1940.

Financial Reports of Treasurer and Permanent Secretary for the fiscal year ended September 30, 1939. F. R. Moulton. *Science* 91: 195-196. 1940.

Membership of the Association. F. R. Moulton. *Science* 91: 219-220. 1940.

Newly Elected President of the American Association (Albert F. Blakeslee). Burton E. Livingston. *The Scientific Monthly* L: 182-185. 1940.

Award of the American Association Prize. (I. I. Rabi, recipient.) Karl K. Darrow. *The Scientific Monthly* L: 185-187. 1940.

The Scientific Exhibition in Columbus. Owen Cattell. *The Scientific Monthly* L: 189-191. 1940.

The Washington Dinner in Honor of Julian S. Huxley. (Dinner spon-

sored by the Association, the Smithsonian Institution and The Scientific Monthly.) The Scientific Monthly 50: 191-192. 1940.

"Symposium on Blood, Heart and Circulation." Malcolm H. Soule. The Scientific Monthly 50: 187-189. 1940.

THE STANFORD UNIVERSITY MEETING, JUNE 26 - JULY 1, 1939

(The 23d annual meeting of the Pacific Division)

PARTICIPATING SOCIETIES

American Association of Physics Teachers (4 invited papers)

American Meteorological Society (30 papers)

American Physical Society (13 papers)

American Chemical Society, Pacific Intersectional Division (32 papers)

Astronomical Society of the Pacific (25 papers)

Association of Pacific Coast Geographers (15 papers)

American Society of Ichthyologists and Herpetologists, Western Division
(15 papers)

The Western Society of Naturalists (10 papers)

American Association of Economic Entomologists, Pacific Slope Branch
(59 papers)

Ecological Society of America, Western Section (12 papers)

Pacific Coast Entomological Society (all joint sessions)

American Phytopathological Society, Pacific Division (28 papers)

American Society of Plant Physiologists, Western Section (28 papers)

Botanical Society of America, Pacific Section (45 papers)

Society for Experimental Biology and Medicine, Pacific Coast Branch
and Southern California Branch (17 papers)

American Society for Horticultural Science, Western Section
(24 papers)

Western Society of Soil Science (33 papers)

GENERAL SESSIONS

S. J. Holmes, University of California, Berkeley. "Darwinian Ethics and Its Practical Applications." (Address of retiring president of the Division.) Science 90: 117-123. 1940.

V. Gordon Childe, University of Edinburgh, Edinburgh, Scotland. "The Neolithic Economy in Northwestern Europe."

J. D. Bernal, University of London, London, England. "The Structure of Protein Molecules."

SPECIAL REPORTS ON SCIENTIFIC PROGRESS

J. W. McBain, Stanford University. "Recent Advances in Colloid Chemistry."

A. R. Davis, University of California, Berkeley. "Mineral Metabolism in Plants."

Henry Borsook, California Institute of Technology. "Biological Oxidations and Reductions."

J. W. Macfarlane, University of California, Berkeley. "Research on Personality Development."

SYMPOSIUM ON "RADIATION AND LIFE"

W. V. Houston, California Institute of Technology. "Radiation."

John H. Lawrence, University of California, Berkeley. "Radioactive Elements as Tracers in Metabolic Studies."

M. Delbruck, California Institute of Technology. "Radiation and the Hereditary Mechanism."

Robert R. Newell, Stanford University Hospitals, San Francisco, Calif. "Medical Applications."

SYMPOSIA

"Some New Ultra-High-Frequency Radio Apparatus (4 papers with demonstrations). American Physical Society.

"Methods and Results of X-ray Structure Determination" (5 papers). American Physical Society.

"Dams and the Problem of Migratory Fishes" (5 papers). American Society of Ichthyologists and Herpetologists, Western Division, and The Western Society of Naturalists.

"Recent Contributions of Botany and Ecology to Society" (4 papers). Ecological Society of America, Western Section, and Botanical Society of America, Pacific Section.

"Availability of Nutrients in Soils to Plants" (6 papers). American Society of Plant Physiologists, Western Section, and Western Society of Soil Science.

"Translocation of Solutes in Plants" (6 papers). American Society of Plant Physiologists, Western Section, and Botanical Society of America, Pacific Section.

"Growth" (8 papers). American Society of Plant Physiologists, Western Division.

"Native Plants of Western North America Offering Exceptional Material for Botanical Research" (5 papers). Botanical Society of America, Pacific Section.

"The Cell and Protoplasm" (17 papers). This symposium in commemoration of the centenary of the Cell Theory, held at Stanford University, July 1-5, was participated in by J. D. Bernal, of England, Szent-Gyorgyi, of Hungary, and Hugo Theorell, of Sweden. Publication No. 14 of the Association. 1940.

"National Colloid Symposium." The Colloid Symposium Committee of the Division of Colloid Chemistry, American Chemical Society and the Committee on Colloid Science, National Research Council. This symposium, the sixteenth national colloid symposium, was held at Stanford University, July 6-8.

PRELIMINARY ANNOUNCEMENT AND REPORT

Preliminary Announcement of the Stanford meeting, J. Murray Luck. Science 89:504. 1939.

Secretary's general report of the Stanford meeting, including reports of the secretaries of the participating societies. J. Murray Luck. Science 90: 123-131. 1939.

THE ALPINE, TEXAS, MEETING OF THE SOUTHWESTERN DIVISION, MAY 2-5, 1939

(The 19th meeting of the Southwestern Division)

Victor J. Smith, *Chairman of General Committee*

PARTICIPATING SOCIETIES

Mathematical Association of America, Southwestern Section
Society of American Foresters, Southwestern Section
Texas Archaeological and Paleontological Society
West Texas Museum Association
Panhandle Plains Historical Society
Southwest Texas Archaeological Society
Clearing House for Southwestern Museums
Texas Folk Lore Society
Texas Academy of Science
West Texas Historical and Scientific Society
Central Texas Archaeological Society
Texas Nature Federation
West Texas Chamber of Commerce Resource and Museum Institute
Sociedad Chihuahuense de Estudios Historicos

GENERAL SESSIONS

E. F. Carpenter, University of Arizona. "The Revolt Against Thought." (Address of retiring president of Southwestern Division.)

A. H. Compton, University of Chicago. "Physics Views the Future." (Tenth John Wesley Powell lecture.)

Dedication of the McDonald Observatory, Mt. Locke: "Tender of Completed Observatory," P. E. Bliss, Warner & Swasey Company; "Acceptance of Completed Observatory," Otto Struve, the Yerkes Observatory; "The Cooperative Enterprise," Robert Maynard Hutchins, president of The University of Chicago; "Acceptance for the University of Texas," member of Board of Regents; "Some Features of the New Mirror," J. S. Plaskett, Dominion Astrophysical Observatory, Ottawa, Canada; "The First of the Sciences," Arthur H. Compton, The University of Chicago; and "Dedication of the Observatory," J. W. Calhoun, president of the University of Texas.

SECTION PROGRAMS

Biological Sciences Section (15 papers). W. H. Bell, chairman.

Mathematics Section (13 papers). R. S. Underwood, chairman. Program of the Section included a symposium on "Topology" (2 papers).

Physical Science Section (23 papers). E. J. Workman, chairman.

Social Science Section (27 papers). Victor J. Smith, chairman. Program of the Section included a symposium on "Methods of Cultural Classification and Description: Conference on Texas Archaeological Methods" (10 papers).

Program in Connection with the Dedication of the McDonald Observatory (27 addresses and papers). The program included a symposium on "Galactic Structure" (2 papers) and a symposium on "Galactic and Extragalactic Structure" (2 papers).

Texas Junior Academy of Sciences presented a program of 9 reports of projects and activities.

PRELIMINARY ANNOUNCEMENT AND REPORT OF MEETING

Preliminary Report of the Annual Meeting of the Southwestern Division. Veon C. Kiech. *Science* 89:73. 1939.

Secretary's general report of the Alpine, Texas, meeting of the Southwestern Division. Veon C. Kiech. *Science* 90:38. 1939.

SPECIAL RESEARCH CONFERENCES UNDER THE
AUSPICES OF THE SECTION ON CHEMISTRY

Each of these special conferences consisted of two sessions each day for a period of five days. Usually only one paper was presented at each session, the remainder of the time being reserved for discussions. The conferences during each five-day period were devoted to an important limited field of chemistry and were participated in only by specialists in the field.

FIRST RESEARCH CONFERENCES ON CHEMISTRY

(Gibson Island, Maryland, August 15-26, 1938)

These two conferences were organized by Neil E. Gordon, Secretary of the Section on Chemistry. The subject of the first one was, "Relation of Structure to Physiological Action," Harold C. Urey, chairman. Five formal papers were presented at this conference. The second one was on "Cellular Metabolism and Tissue Respiration," by Kurt G. Stern, chairman. Nine formal papers were presented at this conference. *Science* 88: 8-9. 1938.

SECOND RESEARCH CONFERENCES ON CHEMISTRY

(Gibson Island, Maryland, July 10-28, 1939)

The subjects of the three conferences held in 1939 were, "Resinous Polymers," "Vitamins" and "Relation of Structure to Physiological Action." The respective chairmen were Howard L. Bender, C. G. King, and Walter H. Hartung. Ten papers were presented at the first conference, eight at the second and eight at the third. *Science* 89: 559-561. 1939.

A third series of five five-day research conferences was held in July-August, 1940.

SUSTAINING MEMBERS

LIFE MEMBERS

EMERITUS LIFE MEMBERS

EMERITUS ANNUAL MEMBERS

FIFTY-YEAR MEMBERS

HONORARY MEMBERS

AND

ANNUAL MEMBERS

COMPLETE LISTS OF THE FIRST SIX CLASSES FROM THE ESTABLISHMENT
OF THESE CLASSES OF MEMBERS TO JULY 1, 1940

SUSTAINING MEMBERS

Article 2 of the Constitution of the Association contains the provision: "A person who gives one thousand dollars to the Association may be elected to be a sustaining member and is exempt from further dues."

Article 10 of the Constitution contains the provision: "The payments from sustaining and life members form part of the permanent fund, and the income (after the death of the member) shall be used for research, unless otherwise directed by unanimous vote of the Council or by a majority vote at two consecutive annual meetings."

An asterisk preceding the name of a member indicates that he is deceased.

The symbols following the name give the complete membership record of the member. For example, the symbols following the first name below indicate that Edward Dean Adams became a member (M) in 1890, a fellow (F) in 1913, a sustaining member (S) in 1916 and died (D) in 1931. A dash following the letter D means that the year of the death of the person is not known by the Association.

*Adams, Edward Dean. M90F13S16D31.

*Hermann, Mrs. Esther. S70D11.

*Lilly, William. S79D93.

*McMillin, Emerson. S88F09D22.

*Maiben, Hector. S21D31.

*Thompson, Mrs. Elizabeth. S73D99.

*Walters, Henry. S29D31.

LIFE MEMBERS

Article 2 of the Constitution of the Association contains the provision: "A member who pays at one time the sum of one hundred dollars [fifty dollars until Jan. 1, 1920] to the Association becomes a life member and is exempt from further dues."

The provision of Article 10 of the Constitution, quoted under Sustaining Members above, applies also to Life Members.

The names of Life Members who were living on June 1, 1934, are included, with additional information, in the complete directory of members for the period June 1, 1934-July 1, 1940, which begins on page 217. The names of Life Members who were deceased on June 1, 1934, are contained in some earlier volume of the Summarized Proceedings. Therefore the complete membership record of every person who has been a member of the Association since the present system of records was established in 1920 is contained in some volume of the Summarized Proceedings.

The symbols following the name give the complete membership record of the member. For example, the symbols following the second name below indicate that E. Stanley Abbot became a member (M) in 1904, a life member (L) in 1909, and a fellow (F) in 1928. In case a member is deceased the letter D precedes the digits that indicate the year of his death; a dash following the letter D means that the year of the death of the person is not known by the Association.

New York State Library. L10.

Abbot, E. Stanley. M04L09F28.

Achilles, Edith Mulhall. M22L25F28.

Ackerman, Mrs. Ethel Serviss. L25.

Adams, Edwin L. M18L26.

Allen, A. H. M24L25.

Allis, Edward Phelps. M02F05L14.

Allis, William Phelps. M24L31F33.

Alvord, John W. M07F11L31.

*Argollo, Miguel T. M08L14D16.

Armstrong, Clairette P. L29F33.

Armstrong, Donald. M10L11.

Armstrong, Francis T. L11.

Armstrong, S. Howard. L39.

Armstrong, Samuel T. M06L07F33.

Armstrong, Warren Putnam. L34.

*Arnett, Eugene. L24D38.

Arnold, John W. M24L29F31.

- Arnold, Weid. L22F31.
 Arutunoff, Armais. M37L39.
 Austin, James Harold. M12L13F15
 *Avery, Samuel P. L87D04.
 Bacon, Clara L. M24L33F33
 Baekeland, L. H. Mo6F08L24.
 Baggaley, Ralph. L01
 Bailey, John Wendell. M17F33L38.
 *Balch, Edwin Swift. Mo1F03L03D27.
 *Baldwin, S. Prentiss. L98F00D38.
 *Baldwin, Simeon E. L01F01D27.
 Ballard, Mrs. Foster K. L38. (Formerly Ruth G. Mason)
 *Baltzell, William Hewson. Mo8L09D28
 *Baltzell, Mrs. Wm. Hewson. L29D38
 *Bangs, Lemuel Bolton. L87D14
 Banker, Howard J. Mo2F05L23
 Bannister, Ruth D. M24L29.
 Barber, M. A. L34F34.
 Barbour, Thomas. Mo2F07L25
 *Barge, B. F. M84L88D02.
 *Barker, George F. M50F75L80D10.
 *Barnard, Edward E. M77F83L08D23.
 *Barnes, Cora F. Mo6L07D11.
 Barnes, Howard T. Mo6F09L25.
 Barnhart, John H. Mo0F03L11.
 *Barth, Carl G. Mo8L25F28D39.
 *Barton, Donald Clinton. M11F21L37D39
 Bascom, Florence. M92F97L10.
 Bates, B. L. M. L17.
 *Bates, Oric. L16D18.
 Bausch, Carl L. M31F32L37.
 Beckwith, Mrs. Daniel. L29.
 Beckwith, Edward P. M11L13.
 Beinecke, Frederick W. M28L31.
 Belknap, Mrs. William. L29.
 *Bell, Alexander Graham. M77F79L12D22
 *Bell, C. M. L87D—.
 Bell, Dennistoun M. M22L27.
 *Bell, John Everett. Mo3F06L25D31.
 Belmont, Perry. Mo6L07.
 *Benjamin, Marcus. M78F87L91D32.
 Berry, Samuel Stillman. Mo9F15L18.
 *Biddle, Thomas. M13L15D15.
 Bierbaum, Christopher H. Mo3F25L25.
 Bird, Charles Sumner, Jr. Mo8L09.
 *Bird, John B. L17D25.
 *Birnie, Rogers. M10L11F11D39.
 *Bishop, Heber R. L87D02.
 Bitting, Arvill W. M16L17F33.
 *Bitting, Katherine Golden. M93F97L17-D36.
 *Bixby, Wm. H. L85F92D28.
 *Blackmore, Henry Spencer. Mo0L09D21.
 Blair, Mary C. L22.
 *Blanchard, George W. M24L31D—.
 Blanchard, Roland. M25L31.
 *Bl'ish, W. G. L84D—.
 Bliss, Cornelius N. L29F40.
 Bliss, Gilbert Ames. Mo5L06F07.
 Bliss, Robert Woods. L29F40.
 *Bliss, Mrs. William H. L07D35.
 Blossom, Mrs. D. S. L32.
 *Blount, Henry F. M83L98D13.
 Blumenthal, Hugo. L16.
 Blunt, Katharine. Mo7F10L37.
 Boettger, Robert. L16.
 Bogen, Emil. M29L32F33.
 Bole, Mrs. B. P. M24L30.
 *Bolton, H. Carrington. M68F75L79D03.
 *Bond, Benjamin D. M17L25D—.
 Boswell, Foster P. M10L25F28.
 Bower, E. C. L27F27.
 Boyd, James E. Mo9F09L37
 Boyden, James R. L18.
 *Brackenridge, George W. L92D20
 *Bradley, Arthur C. L94D11.
 *Bradley, M. J. L94D11.
 *Bradley, Milton. L95D10.
 *Bradley, Stephen R. Mo1L02D10.
 Branch, Hazel Elisabeth. M24L31F33.
 *Brashear, John A. M84F85L02D18.
 Bray, Charles W. M30F33L37.
 *Breitenbach, M. J. L17D20.
 *Brice, Albert G. M83L07D12
 *Bridge, Norman. Mo2F06L23D25.
 *Britton, Wiley. Mo1L05D—.
 Brodie, R. K. M17F33L37.
 *Brooks, Peter C. Mo8L09D25.
 *Brown, Joseph Stanford. L01F06D23.
 *Brown, William Henry. Mo8F15L20D39
 *Browning, J. Hull. Mo6L07D14
 *Brunton, David William. L01F11D27.
 *Brush, George J. M50F74L81D12
 *Bryant, Henry Grier. Mo2F05L10D32.
 Bryant, Owen. Mo4F06L10.
 *Buck, Fred. M29L37D—.
 *Buckley, Ernest R. Mo2L03D13
 Buehler, Henry Andrew. L11F13.
 *Bullard, William N. M17L18D31.
 *Burbank, Luther. Mo1F01L08D26.
 *Burgess, Horace T. M11F15L20D39.
 Burnett, J. Clawson. L29.
 Burr, Charles W. L22F33.
 Burr, I. Tucker. Mo8L09
 Burwash, E. M. L22F25.
 Busch, Henry Paul. L21.
 Caldwell, Otis W. Mo0F02L23.
 Callender, Walter R. L28.
 *Campbell, William W. Mo1F01L03D38.
 Cantley, Thomas. Mo8L23.
 Caplan, Herman. M22L24.
 Capp, Seth Bunker. M14L15
 Carpenter, Arthur. M28L31F33.
 Carpenter, Leonard. Mo6L31.
 *Carter, James C. L87D08.
 Case, Theodore W. L17F25.
 Cattell, J. McKeen. M95F96L98
 Cattell, Mrs. J. McKeen. M22L30.
 *Cattell, Owen. L16D40.
 Chamberlin, Rollin T. Mo0F09L20.
 Chapman, Conrad. M22L23.
 *Chisholm, George E. Mo1L18D38.
 Churchill, Anna Quincy. M23L24F33.
 *Cilley, Frank H. Mo0F01L01D05.
 Clapp, Grace L. M18F21L37.
 *Clarke, Hopewell. M10L11D—.
 Cleveland, Newcomb. L23.
 Clyde, William Hill. L31.
 *Coe, Henry Waldo. M83L85D27.
 *Colburn, Richard T. M82L87F04D13.
 Cole, Howard Irving. M29L31F33.
 *Colman, L. C. L22D25.
 Colton, Harold Sellers. Mo4L09F13.
 *Comstock, Theo. B. M75F87L00D15.
 *Converse, John H. Mo4F06L06D10.
 Cook, Howard H. M10L11.
 Cook, Jonathan. L37.
 Cooke, C. Montague, Jr. Mo7L23F33.
 *Coolidge, Mrs. J. Randolph. Mo8L09D21.
 Cornelius, David W. M24L25F25
 *Corning, E. L. L18D24.

- Corning, H. K. L27.
 Cortes, Jose Maria. L35.
 *Costantini, Count D. A. M29L30D—.
 *Coster, Edward L. M11L13D34.
 Council, Francis E. M22L23.
 *Coxe, Eckley B., Jr. M02L09D—.
 Crain, Jason. M23L24.
 *Cram, Roys Jones. L02F06D28.
 Crampton, G. C. M10F11L26.
 Crane, Alfred J. M17L27.
 *Crocker, Sarah H. M08L10D17.
 Crocker, Mrs. Wm. H. L29.
 *Crowell, A. F. L82D20.
 Crunden, Allan B., Jr. M35L40.
 *Cullinan, J. S. L22D38.
 *Curie, Charles. L06D10.
 Currie, Thomas R. M08L31.
 Dalal, Rustom D. L32F38.
 d'Autremont, Louis Paul. L27.
 *Davis, Andrew McFarland. M86L98F06-D21.
 Davis, Bradley Moore. M96F97L25.
 Davis, Charles Henry. M07F15L24.
 Davis, Helen I. M23F33L37.
 Davis, William T. M06L07F11.
 Davy, J. Burt. M02F03L03.
 Dawson, Bernhard H. M21F22L24.
 Day, Katharine Seymour. M25L26.
 Day, William Scofield. L00F01.
 *Deagan, John C. M22L26D37.
 *Deering, Charles. L17D27.
 de Forest, Alfred Victor. L17F31.
 *Deghuee, Joseph A. M91F00L31D31.
 *Delafield, Maturin L. M94F13L15D29.
 de Landero, Carlos F. M87L91.
 *DeLoubat, LeDuc. M97F97L98D27.
 DeSilver, Mrs. Margaret. L29.
 Desloge, Joseph. M24L31.
 *Dey, Anthony. M06L07D12.
 Deyoc, H. L. M32L37.
 Dickerman, William C. L17F32.
 Dickinson, C. G. M29L31.
 Dobbins, Frank. M12L13.
 Dodd, Gertrude. L29.
 *Dodge, Cleveland H. L17D26.
 Drake, Noah Fields. M06L07F09.
 *Draper, Daniel. M80F81L87D31.
 *Droppers, Garrett. M01F01L08D27.
 *Du Bois, Aug. J. L81F82D15.
 *Dudley, Wm. L. M79F81L88D14.
 Dufrenoy, Jean. M28F31L36.
 Duncan, John Charles. M01F11L31.
 Duncanson, Henry B. M01L08.
 *Dunham, Carroll. M06L07D22.
 Dunn, Gano. M01F16L19.
 Dunn, Henry E. M18L31.
 Dunscombe, George E. M06L07.
 Durand, William F. M88F90L31.
 *Dutton, Charles E. L15D26.
 *Eddy, N. A. L17D18.
 Edison, Theodore M. M24L31F32.
 *Edwards, J. Warner. M07L10D21.
 Elder, Clayburn C. M28L37.
 Elliott, A. W. L38.
 Elliott, William Swan. L33.
 Ellis, Ralph. L28.
 *Ellsworth, James William. L17D25.
 Embury, Emma C. L29.
 *Emerson, Charles F. M73F74L98D23.
 Emerson, Mrs. Raymond. M12L13.
 Emmons, Mrs. Arthur B. L29.
 *Emmons, S. F. M74F79L87D11.
 *Eno, A. F. L10D—.
 Eshner, Augustus A. M05F09L28.
 *Estes, Dana. M80L84D09.
 Ettinger, Amos A. L37.
 Evans, Alice C. M24L31F31.
 Evans, Florence L. M37F38L38.
 *Fabbri, Alessandro. L17D22.
 Farwell, Francis C. L21.
 Field, Wm. B. Osgood. M06L07.
 *Fielde, Adele M. M06L09D16.
 Fish, Stuyvesant. L17.
 Fiske, Thomas Scott. M01F01L06.
 FitzPatrick, Florence K. L38.
 *Fletcher, Andrew. L01D08.
 Floyd, Willis W. L35F35.
 Follin, Maynard D. L22.
 Forbes, Alexander. M08L09F21.
 Forbes, Henry S. M23F25L31.
 Forbes, William T. M. M09L11F14.
 Fortmann, Henry Frederick. M04L06.
 Foxworthy, Fred W. M02F11L23.
 Frazer, John. M07F09L09.
 *Frazer, Persifor. M75F79L84D09.
 Freedman, William H. M01F01L26.
 *French, Caroline L. W. M08L09D—.
 Freudenthal, Louis Edwin. M17L26.
 *Frick, Henry Clay. L17D19.
 Friedman, Maurice H. L35F35.
 *Frothingham, Mrs. Frederick. M80L82-D13.
 Fuhr, Clara. M24L30.
 *Fuller, Frank. M06L07D20.
 Fuller, Myron L. L01F05.
 Fuller, Richard E. M29F31L31.
 Fulton, John F. M27L31F31.
 Gafafer, Wm. M24F33L36.
 *Gaff, Thomas T. M02L19D23.
 Gaines, Walter Lee. M13L14F31.
 *Gallatin, Albert R. L17F38D39.
 Gamble, Clarence James. L28.
 *Garrett, Mrs. T. H. M08L09D20.
 *Gates, M. F. L23D25.
 Gates, Reginald Ruggles. M07F09L19.
 *Genth, Fred A. M83L85F00D10.
 Gerda, Mrs. Otto. L29.
 *Gilbert, G. K. M69F74L00D18.
 *Glenney, William H. M76L83D29.
 Goddard, Verz R. M28L31F33.
 Goebel, Gordon W. L17.
 Goldman, Marcus I. M07F15L28.
 Goldsborough, John Byron. M06L07.
 *Goldschmidt, S. A. M75F80L15D33.
 Goldsmith, Alfred N. M22F25L30.
 Goldsmith, Edward. M80F92L12.
 *Goodwin, Harold. M13L31D35.
 *Gorman, M. W. L21D26.
 *Gotshall, William C. M28L31F31D35.
 *Gouldy, Jennie A. M01L31D—.
 *Greene, Wm. H. M04L06D18.
 Greenway, James C. M03L27.
 *Gregg, Donald. M23F25L31D39.
 *Gregory, Henry E. L29D—.
 Gregory, Herbert E. M01F02L12.
 *Gribbel, Mrs. John. M04L18D34.
 *Guggenheim, Daniel. L29D30.
 Guggenheim, William. M06L07.
 Gunder, Jeanne D. M28L31.
 *Guthrie, William Alvis. L24D34.
 Haack, Karl F. O. L29.
 Hague, Eleanor. M18L37.

- *Hague, William. Mo6Lo7D18.
- *Haldeman, Cyrus B. M17L20D37.
- *Hale, George Ellery. M88F91L17D38.
- *Hall, Harvey Monroe. M12F15L24D32.
- *Hammerschlag, Arthur A. Mo6Lo7F12D27.
- *Hammer, Alfred E. M17L20D35.
- *Hammond, Mrs. John Hays. Mo1Lo5D31.
- *Hanaman, C. E. M70F83L83D—.
- *Harkness, Wm. M77F78L78D03.
- *Harper, D. Roberts, 3d. M18L20F21D35.
- *Harris, J. Campbell. L01D—.
- Harris, James Edward. L23.
- Haskins, C. P. M33L37F39.
- *Hastings, Charles S. M76F78L87D32.
- Hazeltine, L. Alan. M22L25F33.
- *Hazen, George H. L17D34.
- Hebard, Morgan. M11L13F32.
- Hektoen, Ludvig. Mo2F06L24.
- Henderson, Judson Pulford. M18L20F31.
- Henstock, Herbert. M23L29F30.
- Herbert, Albert. L18.
- Herbert, Jennie. M16L18.
- *Herrick, Henry A. L17D17.
- Herrick, Joseph C. L30F33.
- *Hexamer, C. J. M82L84D21.
- Heye, George G. L17F31.
- Hicks, Lawrence E. M31L37.
- Higginson, Mrs. James J. L29.
- Hille, Hermann. L11F33.
- Hills, Thomas McD. Mo9L10F16.
- *Hitchcock, Charles H. M57F74L87D19.
- Hitchcock, Fanny R. M. M86F06L16.
- Hodge, Edwin T. M25F25L26.
- Hoe, Mrs. R., Jr. L87.
- Hoffman, Samuel V. Mo2F06L11.
- Hoffmann, Bernhard. M18L27.
- *Hoffmann, Friedrich. M78F81L99D04.
- Holden, Mrs. L. E. L86.
- Holmes, Harriet F. M10L25F25.
- Hooker, Davenport. M25F11L37.
- Hooton, E. A. M21F21L31.
- Hopkins, Louis J. M07F13L18.
- Horn, Clarence A. M27F33L36.
- Houghton, Clement S. Mo8L31.
- Houghton, John D. L39.
- *Hovey, Edmund Otis. M87F95L20D24.
- Howard, L. O. M88F89L07.
- *Howe, Elmer Parker. Mo8Lo9D18.
- Howells, John N. M. M29L31.
- Hoyt, Olive Sawyer. Mo2L23.
- Hrdlicka, Ales. M97F97L16.
- Hubbard, Bela. M23L24F31.
- Hudson, Alfred. L35.
- Hughes, Rupert. M30L32.
- Hunt, Samuel P. M25L30.
- Hunter, Roland Jackson. L27.
- Huntington, Archer M. Mo6Lo7.
- Hurwitz, W. A. M11F13L26.
- Hutchinson, Frank J. L29.
- Hutchison, Charles F. L39.
- Iddings, Arthur. M19L23F31.
- Iles, George. M82L93F98.
- Jackson, Mary L. M19L25.
- Jacobs, Merkel H. M10F13L25.
- *Jenkins, George C. Mo8Lo9D—.
- Jillson, Willard Rouse. M18F21L25.
- Johnson, H. Herbert. L29F30.
- Johnson, Josef J. M23L25F38.
- Johnson, Myrtle E. M11F21L25.
- Johnston, E. M. L20.
- Johnston, Frederick Atkins. Mo8L18.
- *Johnston, J. Herbert. L18D31.
- Jones, L. Goodrich. M29F31L33.
- Jones, Walter C. Mo8F26L27.
- Judd, George E. L35.
- Judd, Horace. Mo6F25L37.
- Karapetoff, Vladimir. Mo8F11L26.
- Karpman, Benjamin. M30L31.
- Kaufmann, Herbert M. M18L31F33.
- Kendeigh, S. Charles. M28L29F33.
- Kennan, Mrs. George. L29.
- Kennedy, Harris. M91L92.
- *Kennelly, Arthur E. Mo1F01L23D39.
- Ketcham, Henry H. M17L30F32.
- Keyes, Edward L. M24L33F33.
- *Kiddier, Nathaniel T. Mo8Lo9D38.
- *Kinney, Francis S. L07D08.
- *Kinsey, Oliver P. Mo7Lo8D31.
- Kirkham, Stanton Davis. Mo9L10.
- Kissam, William Adams. L17.
- *Kohlsaat, John E. C. Mo7L31D34.
- Kovarik, Alois F. Mo7F11L18.
- *Kraemer, Henry. M98F01L02D24.
- Kress, Samuel H. L17.
- Krumbhaar, Edward Bell. M12L19F21.
- Kuschke, Carl G. P. M34F34L35.
- Kwang, Kwong Yung. M12L13.
- Lackenbach, Fred I. L25.
- Ladd, William Sargent. L17F33.
- Laine, Carl David. L29.
- Lamson, Genieve. M24F31L37.
- Lane, Alfred Church. Mo1F02L02.
- *Lang, James Sherburne. M12L13D29.
- Lang, W. B. M21L28F31.
- *Langdon, Palmer H. M19L26D—.
- Langner, Helen P. M33L34F38.
- *Larkin, Edgar L. L02F03D24.
- *Lawrence, G. Alfred. Mo6L21D28.
- Leach, Henry Goddard. L33.
- LeClercq, Robert R. M25L31.
- *Lehman, Meyer H. Mo6Lo7D—.
- Lemon, Courtenay. M20L21.
- *Leverett, George Vasmer. Mo8Lo9D17.
- Levy, Howard S. M20L25.
- Lewis, C. McKenzie, Jr. L37.
- Lewis, Charles H. L28.
- Lewis, Clarence. L98.
- *Lewis, John Frederick. M13L14D32.
- Lewis, Joseph. M31L33.
- Lichtenstein, Alfred F. L16.
- *Linhart, Samuel Black. Mo6Lo9D36.
- Litten, Arthur S. M33L37.
- Livingston, Burton E. M03F06L20.
- *Loeb, Morris. M87F89L11D12.
- *Logan, Walter S. M87L00D06.
- Logan, William N. M13L14F16.
- *Lomb, Adolph. M92L23F31D32.
- *Loomis, Henry B. L22D39.
- Louderback, Geo. D. Mo1F06L08.
- Lovejoy, Frank Woods. L15.
- Loveland, Horace Hall. L02.
- *Low, A. A. L94D12.
- Lowie, Robert H. Mo8F10L33.
- Lundberg, A. J. M26L37.
- Lundberg, George A. M32F33L37.
- Lyman, Benj. S. M66L74F05D20.
- Lyman, Theodore. Mo5Lo6F07.
- *Macbride, Thomas H. M89F90L28D34.
- *McCormick, Cyrus H. L22D36.
- *McCormick, Samuel Black. Mo4Lo6D28.
- McCracken, Elizabeth. M35L40.
- McCrea, Nelson G. M13L24F31.

- MacDonald, W. E. M24L26.
 McDowell, Louise S. M11F15L20.
 MacIlvaine, Francis S. L18.
 Mackay, A. D. L18.
 McKee, Mrs. Arabelle Ogden. M27L31.
 McKenney, Randolph E. B. M02F03L09.
 *Mackenzie, Kenneth K. M06F11L23D34.
 *McMillan, Smith B. M88L99D11.
 Mac Neal, Ward J. M08F13L20.
 Mallinckrodt, Edward, Jr. M03L04F09.
 *Mann, B. Pickman. M73F74L82D26.
 Manry, James C. M19L22F24.
 *Marble, Manton. L87D17.
 *Markoe, Francis H. M06L07D08.
 *Marling, Alfred E. M06L07D—.
 Marmor, J. D. M02L04.
 *Marsh, Millard C. M04F15L31D36.
 *Marshall, Louis. M06L07D—.
 *Marshall, Robert. M27L31F33D39.
 *Marshall, Waldo H. L17D23.
 Marston, George W. M18L31.
 Martin, Earl A. M17L25F33.
 Martin, Mrs. Walton. L17.
 Mason, Ruth G. L38. (See Mrs. Foster K. Ballard)
 Matthews, Albert. M02F13L25.
 *Mears, J. Ewing. L06F11D25.
 *Mecham, John B. M10L11D30.
 Medlar, E. M. M35F35L37.
 Melcher, Arthur Clarke. M07F11L11.
 *Merrill, Fred J. H. M86F87L98D16.
 Merrill, Mrs. Winifred Edgerton. M86-L98.
 Merritt, Arthur H. M32F39L40.
 Merritt, George E. L27F31.
 Mershon, Ralph D. M01F06L31.
 *Mertzano, A. L29D—.
 *Metcalf, Frank Hamilton. L16D—.
 *Metcalf, Orlando. M86L87D09.
 Meyer, Charles F. M17L31F31.
 Meyerding, Henry W. L19F33.
 *Miller, Edgar G. M80L88D10.
 *Miller, Emerson R. M02L11D29.
 Miller, George J. M11F16L28.
 *Miller, George Norton. M04L13D35.
 Miller, W. Lash. M08F10L24.
 *Milne, David. M02L05D29.
 Miloslavich, Edward L. L25F31.
 *Minns, Susan. M83L14F32D38.
 *Minot, Charles S. M79F80L01D14.
 Mitchell, Allan C. G. L25F31.
 *Mitchell, Arthur M. M06L08D29.
 *Mitchell, John, Jr. M13L14D—.
 Mitchell, Samuel Alfred. M02F06L23.
 *Mitchell, Walter S. M24L25D30.
 Mixter, George. M08L12.
 Moffatt, William Sayer. M07L08.
 *Molera, E. J. L07F15D32.
 Monroe, William S. M17F33L37.
 Moore, Mrs. A. O. L15.
 Moore, Elinor. M31F38L40.
 Moore, Elwood S. M08F11L25.
 Moore, J. Percy. M04F06L20.
 Moore, Stanley B. L17.
 Morgan, Caroline L. L29.
 Morgenstern, Edward M. M36L37.
 *Moriandi, Carlo. L29D31.
 *Morris, Effingham B. L22D37.
 Morris, Frederick K. L26F27.
 *Morris, Newbold. M00L10D28.
 Morss, Noel. M29F32L33.
 Muncy, Victor Emanuel. M17F24L24.
 *Munn, John Pixley. M06L07D31.
 *Munroe, Charles Edward. M73F74L99-D38.
 Murnaghan, Francis D. M24F25L26.
 Myers, William Shields. M94F98L17.
 Nelson, Nels C. L16F25.
 Newcomb, William W. M07L13.
 *Newerf, N. C. L17D—.
 Newkirk, Mrs. Alice M. Field. M18L24.
 Newman, Clarence W. L24.
 Newton, Mrs. Douglass E. M29L30.
 Nichols, John Treadwell. M10L11F15.
 *Nickerson, William E. M25L26D30.
 Nollen, Henry S. M29L31F32.
 Norton, Thomas Herbert. M86F87L87.
 *Noyes, Winthrop Gilman. M26L31D31.
 Obenchain, Jeannette B. M21L26F33.
 *O'Gara, P. J. M09F13L17D27.
 Olivenbaum, J. E. M29L30.
 Olyphant, Robert M. M06L07.
 Osborn, Chase S. M08L09F32.
 *Osborn, Henry Fairfield. M81F83L17D35.
 *Osterhout, George E. M08F11L30D37.
 Owen, Juliette A. M01F06L06.
 *Owen, Luella Agnes. M98F11L11D32.
 *Owen, Mary Alicia. M01L11D35.
 *Page, Clarence V. L02D—.
 Page, Dudley L. M84L95.
 *Page, Mrs. Nellie K. M84L95D33.
 Palache, Charles. M95F96L10.
 Palmer, Mrs. Elizabeth P. M14L15.
 Palmer, Frederic, Jr. M13F16L37.
 Palmer, L. J. L25F31.
 *Palmer, T. Chalkley. L17F33D34.
 Panganiban, Elias H. M25L33F33.
 *Parish, Henry. M00L01D—.
 *Parker, Gordon. M14L18F31D37.
 Parker, Herschel C. M94F00L09.
 *Parkhurst, Henry M. M73F74L85D08.
 *Parsons, Francis H. M02L11F11D25.
 *Parsons, John E. L87D14.
 Patten, John. M94L02.
 Paxson, Owen Shoemaker. M17L25.
 Pemberton, Cyril Eugene. M22F26L31.
 Penfield, Mrs. Paul L. L22.
 Penniman, Josiah H. M13L14F31.
 *Penrose, R. A. F., Jr. M89F90L94D31.
 Pentecost, E. H. M08L10.
 *Pentecost, Mrs. E. H. M08L10D22.
 *Perkins, Arthur. L82D—.
 Perkins, William H. M06L07.
 Perrine, Charles Dillon. L02F03.
 Pfeiffer, Curt G. L29.
 Phelps, John J. L29.
 *Phillips, Francis Clifford. M87F89L03-D20.
 *Phillips, John C. M02L09F13D38.
 Phipps, Lawrence Cowle. L02F32.
 *Pierce, Newton Barris. L00F01D16.
 *Pierrepoint, Henry E. L94D11.
 Pitman, Earle C. M17L28F38.
 Pomeroy, Katherine. L29R40.
 Pope, George A. M13L14.
 Pope, Willard. L30F32.
 Porter, Mrs. Albert Brown. M12L32.
 *Porter, James F. M07F14L23D39.
 Potter, Alden A. L11F15.
 *Potter, Blanch. M06L07D—.
 Potts, Charles E. L17.
 Preisler, Paul W. M35F35L37.

- Pruitt, Clarence M. M29L30F31.
 *Pruyn, John V. L. M80L87D04.
 *Pupin, Michael I. M95F96L05D35.
 Putnam, Helen C. M08L17.
 Putnam, William Lowell. M08L09.
 *Quinan, William Russell. L06D10.
 Rabinowitz, L. M. L29.
 *Raht, Charles. M06L07D18.
 *Ray, Benjamin H. M11L13D25.
 Read, Bernard E. L35F35.
 Rehn, Henry J. L37.
 Rejall, Alfred E. M11L27F33.
 Renouard, Charles Auguste. L32.
 *Rhodes, James Ford. L01F04D26.
 Rice, A. Hamilton. L29F31.
 *Rice, Edwin Wilbur, Jr. M01F16L16D35.
 Rich, Gilbert J. M19F28L30.
 *Richards, Edgar. M82F86L09D24.
 Rightor, Fred Elmer. M08L31.
 Riley, Wm. G. M29L37.
 Roads, Katie M. M17L23.
 *Robert, Samuel. M06L07D35.
 Roberts, Dorothea K. M19F25L26.
 Roberts, Helen H. M25F31L35.
 *Robertson, Thomas D. M56L74D02.
 *Robinson, Lucien M. M14L15F32D—
 Robison, Sanford H. M30L33.
 Rockie, W. A. M36F36L37.
 Roebing, John A. L17.
 Roesser, Frederick. M17L37.
 Rohlfes, Walter F. L25.
 *Roosevelt, Marion T. M82L84D—.
 *Rosengarten, George D. M07F11L17D36.
 *Rosenwald, Julius. L21D32.
 Rowell, Dorothy C. L29.
 Roy, Arthur J. M01F08L09.
 Ruediger, E. Henry. L18F33.
 *Ryerson, Martin A. M07L08D32.
 Sanders, Joseph. M27L31.
 *Sargent, Mrs. Helen W. L23D25.
 Sargent, Homer Earle. M07F13L20.
 Saunders, T. Skewes. L16.
 Sawyer, C. B. L29F33.
 *Sayer, William S. M07L09D09.
 *Schaeberle, John Martin. M85F86L90D21.
 *Schaffer, Charles. M80L82D03.
 *Scharnberg, Herman J. B. L27.
 *Schermerhorn, F. Aug. L87D19.
 *Schermerhorn, Wm. C. L87D—.
 *Schott, Charles M., Jr. L17D19.
 Schubring, Selma L. M10L11.
 *Schulte, H. von W. M08F11L28D32.
 Schwarz, Herman. M17L37.
 Scott, A. H. M20L21F22.
 *Scovell, M. A. M86L02D12.
 *Scudder, Samuel H. M59F74L80D11.
 Seneker, Seehorn. L28.
 Sevin, Gertrude K. M11L23.
 Sharp, Charles Cutler. M01L18.
 Sharp, George C. M29L32.
 *Shattuck, Frederick C. L01F01D29.
 Shaw, Henry S. M25L31F32.
 Shaw, Robert S. M29L35.
 Sheaffer, Arthur Whitcomb. L79.
 Sheldon, Mrs. Frank M. L30.
 *Sheldon, Mrs. J. M. Arms. M95F33L34-D38.
 Shepard, Finley J. L29.
 *Shepherd, Elizabeth. M90L00D20.
 Shrigley, Edward White. M31L33.
 *Shryock, Wm. K. M04L06D10.
 Shull, Charles Albert. M07F15L24.
 Silsbee, Francis B. M17F21L37.
 Simes, Mrs. William. M08L31.
 Singewald, Quentin D. M27L31F31.
 Slemmons, J. Morris. M08F14L31.
 Slocum, H. Jermain, Jr. L29.
 Smith, A. D. Buchanan. M28L29F31.
 Smith, Burnett. M04F11L18.
 Smith, Clara E. M08F11L14.
 *Smith, Elizabeth H. L29F31D33.
 Smith, Harrison Willard. L25F25.
 *Smith, Jane M. L01D11.
 Smith, L. W. M27F31L36.
 *Smith, Matilda H. L01D09.
 *Smith, Quintus Cincinnatus. M77L79-F81D11.
 *Smith, Uselma C. M84L86D02.
 Smith, W. S. Tangier. M01F06L11.
 *Smith, Wm. A. M06L07D11.
 *Spencer, John George. M88L90F95D32.
 Speranza, Mrs. Gino. L29.
 *Spragg, Frank A. M13F18L24D24.
 *Sprague, C. H. M80L82D09.
 *Springer, Frank. M06L07F14D27.
 *Stanfield, Theodore. L16D38.
 *Stanton, Frank McMillan. M01L02D16.
 Stauffer, Clinton R. M06F11L20.
 Stearn, Noel Hudson. M24L29F31.
 *Steers, James R. M06L07D—.
 Stefansson, Vilhialmur. M19L21F25.
 Stenstrom, K. Wilhelm. M24F27L37.
 *Stephens, W. Hudson. M69F74L75D17.
 *Stetson, Francis L. M06L17D20.
 Stevens, Neil Everett. M11F13L19.
 *Sticht, Robert C. M08L10D22.
 Stifler, William W. M11F15L27.
 Stockton, Robert S. M17F31L33.
 *Stoeckel, Carl. M02L04D25.
 *Stoeckle, Erwin R. M28F31L37D38.
 Stokey, Alma Gracey. M11F15L29.
 Stoll, Norman R. M20F25L30.
 Strang, Ruth. M30F32L37.
 Straub, Geo. F. L24.
 Straus, Mrs. Michael W. L26.
 Sturgeon, Myron T. M38L40.
 *Swan, Mrs. J. Andrews. L29D38.
 Swift, Harold H. L21.
 Taber, Edmund Rhett. L16.
 *Taft, Elihu Barber. M87L01D31.
 Taliaferro, W. T. L. M14F32L33.
 *Talmage, James Edward. L01F06D33.
 *Tanner, John Henry. L98F99D40.
 *Tarr, Ralph Stockman. M00F01L08D12.
 *Thaw, Benjamin. M01L09F13D33.
 *Thaw, Stephen D. L09F13D23.
 *Thayer, John Elliot. M10L11D33.
 Thomas, Llewellyn Hilleth. L31F33.
 *Thompson, Caroline B. M99F13L18D25.
 *Thompson, Frederick F. L87D09.
 *Thompson, H. D. M06L07F09D27.
 *Thorne, Mrs. Phoebe A. L01D11.
 *Thorne, Mrs. W. V. S. L29D37.
 Tolman, Richard C. M11F15L32.
 Tomlinson, C. W. M17F21L31.
 Trelease, Sam F. M19F21L25.
 Trelease, William. M90F91L08.
 *Troescher, A. F. L17D—.
 True, Mrs. Edward C. L33.
 *True, Rodney Howard. M97F09L33D40.
 *Tubbs, Frank Dean. M08F15L17D39.
 *Tuckerman, Alfred. M80L90F91D25.

- Turner, Clair Elsmere. M17F21L31.
 Turner, M. L. M24L25.
 Uehling, F. F. M11L29.
 *Vaile, Joel F. M01L13D16.
 van Beuren, Frederick T., Jr. L87F25.
 *Van Horn, Frank R. M06L07F09D33.
 van Kampen, E. R. M34F34L40.
 Van Orstrand, Charles E. M07F11L13
 Varela, Edmund Albert. L16.
 Vaughan, F. E. M25F31L32.
 †Vaux, George, Jr. M84L85F06D27.
 †Veatch, Arthur C. M02F07L19D38.
 Vedder, Edward B. M06F11L12.
 *Wadsworth, Frank L. O. M02L03F04D36.
 Wadsworth, Mrs. W. Austin. L29.
 Wahl, Manfred. M25L38.
 Waite, J. Herbert. L39.
 *Walcott, Charles D. M76F22L25D27
 Walcott, Mrs. Chas. D. L25F31.
 †Walker, R. M. M02L04D20.
 Waller, Adolph E. M17L20F21.
 *Waller, E. M74F74L79D19.
 Walls, John A. L34.
 *Walsh, Thomas F. L00D10.
 Walsh, Thos. J. L29.
 Walters, Frank. M06L07.
 *Wanamaker, Rodman. L17D28.
 *Warburg, Felix M. L17D37.
 *Ward, Charles W. M06L07D—.
 Ward, Henry Baldwin. M99F99L20.
 *Ward, Robert DeC. M07F10L18D31.
 *Ware, Lewis Sharpe. M04F10L11D18.
 *Warrington, Robert. L91F99D07.
 *Warner, James D. M69F74L74D11.
 Warren, Mrs. Mary Schaffer. L89.
 *Warrington, James N. M85L31D33.
 *Watson, Thomas A. M17L23F31D34.
 *Watson, Wm. M50F84L84D15.
 Wayland, Charles A. M07L08
 Webster, Mrs. A. G. M08L23
 Webster, Hutton. M10F13L22.
 Wedderburn, J. H. M. M11F21L37.
 Weeks, John R. M24F31L33.
 *Weitling, William W. M13L25D29.
 *Welsh, Francis Ralston. L02D38.
 Wernecke, Livingston. M18L31.
 West, Augustus P. L23F25.
 *Westervelt, William Drake. M14L17D39.
 Westervelt, William Young. M08F16L16.
 Westfeldt, Mrs. Martha Gasquet. M25-
 F32L33.
 †Westgate, John Minton. M11F18L25D38
 †Westinghouse, George. L01F02D14.
 †Wheelock, William E. M06L07D27.
 *Whelpley, Henry Milton. M02L06F13D26.
 White, Amelia Elizabeth. M24L37.
 *White, Israel C. M76F82L90D27.
 *Whiting, Donald F. M25F27L31D31
 Whiting, Phineas. M13L15F20.
 *Wigglesworth, George. M08L10D30.
 Wilcox, Alice Wilson. M12L25F33.
 †Wilcox, William W. L01D03.
 Williamson, Warren. M17L20.
 *Wilmarth, Mrs. Henry D. L91D16.
 *Wilson, J. Howard. M06L07F13D36.
 Wilson, Louis B. M10L11F13
 Wilson, Margaret B. M06L11F33.
 Winchester, George. M11L13F15.
 Winsor, Henry. M27L31.
 Winter, Floyd L. M23F31L38.
 Wirt, John Loughborough. L16.
 Wirtner, M. M07L08.
 Wolcott, George N. M13L26F26.
 Wolfe, Dael L. M32F37L38.
 Wood, Francis Carter. M06F08L10.
 *Wood, Walter. L84D34.
 Woodley, Sam. M21L30
 *Woodward, Robert S. M84F85L09D24.
 Worley, Leonard G. M29L30.
 Worthington, James H. M12L13F15.
 Wulfing, John Max, Jr. L24.
 Wunderlich, Frederick W. M94L98.
 Yamanouchi, Shigeo. M06F09L23.

EMERITUS LIFE MEMBERS

In 1911, Jane M. Smith, of Pittsburgh, Penn., bequeathed \$5000 to the Association with the stipulation that the income from the fund should be used for establishing Emeritus Life Memberships (Council minutes, Dec. 27, 1911). As income received from the Fund amounts to \$100, or a multiple thereof, it is used to pay life membership dues for one or more life members elected by the Council from among the members of longest continuous standing. Upon the death of an emeritus life member the \$100 set aside for his life membership dues reverts to the credit of income from the Fund and may be used for the payment of life-membership dues of another member elected to life membership by the Council. Two or more emeritus life members have been elected each year since 1914.

The names of emeritus life members who were living on June 1, 1934, are included, with additional information, in the complete directory of members for the period June 1, 1934-July 1, 1940, beginning on page 217. The names of emeritus life members who were deceased on June 1, 1934, are contained in some earlier volume of the Summarized Proceedings. Therefore the complete membership record of every emeritus life member is contained in some volume of the Summarized Proceedings. In the case of an emeritus life member the figures that immediately follow the letter E give the year of his election to emeritus life membership.

An asterisk preceding the name of a member indicates that he is deceased.

The symbols following the name give the complete membership record of the member. For example, the symbols following the fourth name below indicate that Wm. James Beal became a member (M) in 1868, a fellow (F) in 1880, an emeritus life member (E) in 1917 and died (D) in 1924. The letter D followed by a dash indicates that the year of the member's death is not known to the Association.

- Arthur, J. C. M72F83E24.
- *Baldwin, Herbert B. M94E39D39.
- Bausch, Edward. M77F83E31.
- *Beal, Wm. James. M68F80E17D24.
- Bedell, Frederick. M92F94E39.
- *Bethune, Charles J. S. M69F75E20D32.
- Biddle, James G. M90E39.
- *Blackham, George E. M76F83E27D28.
- Bolley, Henry L. M90F92E39.
- *Brackett, Richard N. M88F91E37D37.
- Bramwell, George W. M94E39.
- Bray, William L. M00F01E38.
- *Britton, Nathaniel L. M80F82E33D34.
- *Burgess, Thomas J. W. M89F99E18D26.
- *Butler, Amos W. M81F85E36D37.
- *Calkins, Marshall. M80E18D24.
- Carver, Gail Luke. M91F95E39.
- Chadbourne, Erlon R. M80E34.
- *Chamberlin, Thomas C. M72F77E23D28.
- *Chandler, Charles F. M70F75E19D25.
- *Clark, John E. M68F75E21D21.
- *Clarke, Frank W. M69F74E17D31.
- *Cloud, John W. M79F86E32D36.
- Cook, Orator F. M91F92E39.
- Crawford, Morris B. M81F89E36.
- *Dall, William H. M69F74E17D27.
- *Dana, Edward Salisbury. M74F75E25D35.
- Davenport, Eugene. M90F09E39.
- Dewey, Lyster H. M91F99E39.
- *Dimmock, George. M73F74E24D30.
- Dunnington, F. P. M31F80E37.
- Eichelberger, W. S. M92F96E39.
- *Emerson, Benjamin K. M70F77E22D32.
- Fairchild, Herman L. M78F83E30.
- Felt, Ephraim P. M95F99E39.
- *Fernald, Charles H. M06F13E18D21.
- Focke, Theodore M. M95F03E39.
- Frankforter, George B. M94F01E39.
- Fries, Harold H. M91F98E39.
- Gage, Simon Henry. M79F81E31.
- Ganong, William F. M00F00E38.
- *Gooch, Frank A. M76F80E28D29.
- *Grinnell, George Bird. M76F85E29D38.
- Gruener, Hippolyte. M95F98E39.
- Hagar, Stansbury. M94F99E39.
- *Hall, Edwin Herbert. M80F81E34D38.
- *Hervy, Alpheus B. M73F79E24D31.
- *Hilgard, Eugene W. M57F84E16D16.
- Hobbs, William Herbert. M91F93E39.
- Hopkins, A. D. M93F99E39.
- *Hopkins, Arthur John. M95F00E39D39.
- Hopkins, Grant S. M92F00E39.
- Hume, Alfred. M90F09E39.
- Jones, Lewis Ralph. M92F94E39.
- Kellogg, John Harvey. M75E31F32.
- Kingsbury, Albert. M93F98E39.
- Knight, Charles M. M80F04E34.
- *Langenbeck, Karl. M80F96E35D38.
- *Leach, Mary F. M95F96E39D39.
- Lefavour, Henry. M93F94E39.

- Leverett, Frank. M88F91E37.
 *Linn, Alvin Frank. M01F01E38D—.
 *Lyle, David Alexander. M78F80E32D37.
 McDonnell, Henry B. M91F93E39.
 MacDougal, Daniel T. M95F97E40.
 Macfarlane, John M. M92F99E39.
 Mariatt, Charles L. M91F95E39.
 Marvin, Charles F. M90F92E39.
 *Matlack, Charles. M78E33D33.
 *Mees, Carl Leo. M75F76E26D32.
 *Mendenhall, Thomas C. M71F74E15D24.
 *Michelson, Albert A. M77F79E29D31.
 Miller, Dayton C. M95F98E39.
 *Miller, William Snow. M93F94E39D39.
 Morgan, William Fellowes. M78F32E33.
 *Morley, Edward Williams. M69F76E19-D23.
 *Morse, Edward S. M69F74E15D25.
 *Moser, Jefferson F. M79F89E32D34.
 Needham, James George. M96F98E40.
 *Nichols, Edward L. M79F81E30D37.
 *Paine, Cyrus Fay. M58F74E17D21.
 *Peck, Charles Horton. M02F06E15D17.
 Peirce, George James. M95F97E39.
 *Perkins, George Henry. M69F82E20D33.
 Ramaley, Francis. M96F99E40.
 *Remsen, Ira. M73F75E25D27.
 Rice, Edward L. M94F05E39.
 *Rice, William North. M69F74E19D28.
 Richards, Robert H. M73F75E18.
 Ries, Heinrich. M92F98E39.
 Rolfs, Peter Henry. M92F99E39.
 Simonds, Frederic W. M76F88E29.
 Smith, Arthur Whitmore. M95F06E39.
 *Smith, Eugene Allen. M71F77E22D27.
 *Smith, Harlan I. M92F96E40D40.
 Smith, Herbert S. S. M80F15E36.
 *Smock, John Conover. M74F79E26D26.
 *Snyder, Monroe B. M75F82E27D32.
 Springer, Alfred. M75F80E28.
 Stebbins, Fannie A. M95F38E39.
 Steiger, George. M91F01E39.
 Stejneger, Leonhard. M91F92E39.
 Stewart, Fred Carlton. M95F01E39.
 *Stockwell, John N. M69F75E21D20.
 *Stone, Ormond. M75F76E27D33.
 Sturgis, William Codman. M91F92E39.
 Swingle, Walter T. M91F92E39.
 Tainter, Charles Sumner. M80F81E35.
 Thompson, Joseph O. M92F93E39.
 *Todd, David. M78F81E30D39.
 *Tuttle, Albert Henry. M68F74E19D27.
 *Upham, Warren. M76F80E28D34.
 Welin, John Eric. M01F11E37.
 *Wilbur, Albert B. M74F74E26D26.
 *Wiley, Harvey W. M72F74E23D30.
 *Williams, Edward H., Jr. M76F94E29D33.
 *Williams, Francis H. M80F90E35D37.
 Willoughby, Charles C. M96F97E40.
 Woods, Albert F. M93F97E39.
 Wright, John S. M93F99E39.
 *Wurtele, Louis C. M57F75E16D19.
 *Yarrow, H. C. M74F74E25D29.

EMERITUS ANNUAL MEMBERS

In 1932 Luella A. Owen bequeathed the Association \$500 without specifying the purpose to which income from it should be used. On December 29, 1932, the Council voted "that the gift of the Owen estate be used as a nucleus of a fund the income from which shall be used for emeritus annual memberships."

The letter C in the symbols following the name of an emeritus annual member precedes the year of his election as an emeritus annual member.

- *Galloway, Beverly T. M88F90C34D38.
 Gillette, Clarence P. M01F01C34.
 Graham, James Chandler. M01F11C38.
 Lindsay, Samuel McCune. M04F06C40.
 Van Ornum, John Lane. M01F04C34.
 (Discontinued Oct. 1, 1936.)
 Wooton, Elmer O. M06F11C40.
 Wulling, Frederick J. M07F10C37.

FIFTY-YEAR MEMBERS

On April 14, 1935, the Executive Committee passed the following by-law. "Members who have paid annual dues for 50 years may be excused from further payments of dues and still retain all the privileges of active membership." In practise all members who have paid membership dues continuously for 50 years are elected fifty-year members.

The names of fifty-year members who were living on June 1, 1934, are included, with additional information, in the complete directory of members for the period June 1, 1934-July 1, 1940, which begins on page 217.

In the case of a fifty-year member the figures that immediately follow the letter V give the last two digits of the year he became a fifty-year member.

- | | |
|---------------------------------------|--|
| Boas, Franz. M87F88V37. | Merritt, Ernest. M84F90V37 |
| Campbell, Douglas H. M85F88V37 | Miller, John Anthony. M82F06V37. |
| Comstock, Charles W. M88F01V38 | Moody, Robert Orton. M86F92V37. |
| *Coville, Frederick V. M86F90V37D37. | *Moorehead, Warren King. M89F90V39- |
| Darton, Nelson H. M88F93V38. | D39. |
| *Davis, John Jefferson. M82F99V37D37. | Moseley, Edwin L. M85F02V37 |
| French, Thomas, Jr. M81F83V36. | Novy, Frederick G. M87F89V37. |
| *Galloway, Beverly T. M88F00V38D38. | Noyes, William Albert. M83F85V37. |
| *Howe, Charles Sumner. M85F91V36D39. | Osborn, Herbert. M83F84V37. |
| Howe, James Lewis. M87F88V37. | Patterson, Harry Jacob. M87F90V37. |
| Jack, John George. M82F90V37. | Reid, Harry Fielding. M87F93V37. |
| Jackson, Robert Tracy. M88F90V38. | *Shimer, Porter William. M89F09V39D38. |
| Jacobus, David Schenck. M87F89V37. | *Thomson, Elihu. M83F08V37D37. |
| Jastrow, Joseph. M86F87V37. | Thruston, R. C. Ballard. M87F96V37. |
| *Logan, Frank G. M83F32V36D37. | *Wanner, Atreus. M87F90V37D38. |
| MacCurdy, George Grant. M99F00V39. | Weed, Clarence Moores. M89F90V39 |
| McGill, John Thomas. M86F88V37 | Willis, Bailey. M87F90V37. |
| Magie, William Francis. M86F87V37. | *Willson, Frederick N. M83F87V36D39. |
| Martin, Lillian J. M83F86V37. | Wolff, John Eliot. M87F94V37. |

HONORARY MEMBERS FROM THE BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

For the Year 1939

Under the reciprocal arrangement (1938) between the British Association and the American Association for "British and American Association Lectures," to be delivered in each country on alternate years, the principal executive officers of each Association are elected honorary members of the other Association. Science 88:276. 1938.

Seward, Sir Albert, President
Boswell, P. G. H., General Treasurer
Brooks, F. T., General Secretary
Ferguson, A., General Secretary
Allen, R. W., Member of Council
Aston, F. W., Member of Council
Aveling, F., Member of Council
Balfour-Browne, F., Member of Council
Beare, Sir T. Hudson, Member of Council
Bledisloe, Rt. Hon. Viscount, Member of Council
Calman, W. T., Member of Council
Debenham, F., Member of Council
Fay, C. R., Member of Council
Fearnside, W. G., Member of Council

Fleure, H. J., Member of Council
Fritsch, F. E., Member of Council
Gregory, Sir Richard, Member of Council
Hill, A. V., Member of Council
Hill, T. G., Member of Council
Moore, T. S., Member of Council
Philip, J. C., Member of Council
Smith, J. G., Member of Council
Smith, W. Campbell, Member of Council
Spearman, C., Member of Council
Tierney, C., Member of Council
Venn, J. A., Member of Council
Walker, Sir Gilbert, Member of Council
Whipple, R. S., Member of Council
Wilson, J. S., Member of Council

For the Year 1940

Gregory, Sir Richard, President
Boswell, P. G. H., General Treasurer
Brooks, F. T., General Secretary
Ferguson, A., General Secretary
Allen, R. W., Member of Council
Aston, F. W., Member of Council
Beare, Sir T. Hudson, Member of Council
Bledisloe, Rt. Hon. Viscount, Member of Council
Calman, W. T., Member of Council
Debenham, F., Member of Council
Fearnside, W. G., Member of Council
Fleming, A. P. M., Member of Council
Fleure, H. J., Member of Council
Fritsch, F. E., Member of Council
Harrod, R. F., Member of Council

Hill, T. G., Member of Council
Hutton, J. H., Member of Council
Kerr, Sir John Graham, Member of Council
Livingstone, Sir Richard, Member of Council
Moore, T. S., Member of Council
Philip, J. C., Member of Council
Raper, H. S., Member of Council
Smith, J. G., Member of Council
Smith, W. Campbell, Member of Council
Spearman, C., Member of Council
Tierney, C., Member of Council
Walker, Sir Gilbert, Member of Council
Whipple, R. S., Member of Council
Wilson, J. S., Member of Council

HONORARY JUNIOR MEMBERS

On June 28, 1938, the Council passed a resolution to offer to each affiliated Academy of Science the privilege of nominating each year one boy and one girl from its junior academy or from junior science clubs within its territory for a one-year Honorary Junior Membership in the Association, without the payment of entrance fees and dues; and to give each honorary junior member a suitable certificate of membership, the programs of the meetings of the Association and preliminary announcements and reports of its meetings. Science Service gives each honorary junior member a subscription to Science News Letter for the term of his or her membership.

Nominated by Alabama Academy

Elizabeth Bush, Seale.....1939
Wade Moss, Troy.....1939

Nominated by British Columbia Academy

Dorothy U. Dale, Vancouver.....1939
Charles H. Davenport, Vancouver...1939
A. E. Covington, Vancouver.....1940
Odetta Hicks, Vancouver.....1940

Nominated by Illinois Academy

Delbert Rainey, Chester.....1940
Nadine Whitesides, Vienna.....1940

Nominated by Indiana Academy

Robert Bennett, Mishawaka.....1940
Ruth Downey, Indianapolis.....1940

Nominated by Iowa Academy

Don Morgan, Spencer.....1939
Mary Jo Rosenberg, Iowa Falls.....1939

Nominated by Kansas Academy

Harold Green, Pittsburg.....1939
Joanna Wagstaff, Laurence.....1939
Bob Hull, Wichita.....1940
Jane Miller, Wichita.....1940

Nominated by Kentucky Academy

Jean Adams, Louisville.....1939
Roy Kirchoff, Bellevue.....1939
J. Viri Chestnut, Somerset.....1940
Alice B. Kinnard, Lancaster.....1940

Nominated by Louisiana Academy

Frances Hunt, Monroe.....1939
Howard Mayfield, Baton Rouge.....1939

Nominated by Michigan Academy

Lyle Burdy, Ionia.....1939
Nancy Rohde, East Lansing.....1939
Charles Geisler, Jackson.....1940
Bette C. Willamin, Ann Arbor.....1940

Nominated by Minnesota Academy

Robert Higgins, Rochester.....1939
Althea Ryden, Stillwater.....1939

Alice Burns, Albert Lea.....1940
James W. Shean, Albert Lea.....1940

Nominated by Missouri Academy

Raymond Hahn.....1940
Mary F. McAdams, Springfield.....1940

Nominated by New Orleans Academy

Joseph Kyame, New Orleans.....1939
Lester Reed, New Orleans.....1939

Nominated by North Carolina Academy

Eugenia Cox, Winston-Salem.....1939
Ralph Kiser, Charlotte.....1939
Clyde Vaughn, Charlotte.....1940

Nominated by Oklahoma Academy

L. D. Alley, Enid.....1939
Oneta Carroll, Newkirk.....1939
Katherine Craft, Henryetta.....1940
Dean Steffey, Enid.....1940

Nominated by Pennsylvania Academy

Estelle Bowers, Altoona.....1939
Howard S. McCord, Jr., Upper Darby 1939
Caroline Emerson, Erie.....1940
Richard Jones, Johnstown.....1940

Nominated by St. Louis Academy

Robert Leland, Webster Grove.....1939
Doris von Wehrden, Normandy.....1939
Zelda Balch, St. Louis.....1940
David Lawrence, St. Louis.....1940

Nominated by Texas Academy

John Sinclair, Galveston.....1939
Carol Ruth McElroy, Austin.....1940
Delbert G. Tarter, Commerce.....1940

Nominated by West Virginia Academy

Austin Henning, Elkins.....1939
Ruth Mayhall, Shinnston.....1939
Cary Lou Edgar, Charleston.....1940
Marlin Higgins, St. Albans.....1940

ALPHABETICAL DIRECTORY OF MEMBERS

FOR THE PERIOD JUNE 1, 1934, TO JULY 1, 1940

Individual and Institution Members. In addition to individual members, there are a few hundred institution members. The institutions are universities, colleges, libraries, societies and corporations. For convenience the institution members are listed separately by states and countries immediately following the directory of individual members.

Names included in the Directory. This alphabetical directory includes not only the names of all members at July 1, 1940, its official date, but also the names of all members whose memberships terminated by death or otherwise since June 1, 1934, which was the date of the corresponding alphabetical directory in the last preceding Summarized Proceedings published in 1934. The year in which each membership terminated and the reason therefor are given following the name of the member.

Sources of Information. On December 15, 1939, a special form containing blanks to be filled in with information required for the alphabetical directory was sent to every member of the Association. Return envelopes were enclosed for the convenience of members in making their replies. About two-thirds of the members provided the desired information. In March, 1940, a second request was sent to those who did not reply to the first call. Although many members heeded the second request, a considerable number did not reply at all. In the case of those who did not reply it was necessary to use the information contained on their membership application cards and in other records of the office of the Permanent Secretary. This information was often supplemented by data contained in biographical directories. The name of every person who was a member of the Association on July 1, 1940, is included whether or not he filled out and returned the special information card sent to him.

Scope of the information given. The information following each name is of two kinds, (1) that which pertains to the member independent of his membership, such as his residence, for example, and (2) his membership record.

(1) The personal information is as follows: (a) The surname of the member; (b) the title, such as Prof., Dr., Mr., Miss; (c) the given name or names with the parts placed in parentheses that are usually omitted in correspondence (Smith, Dr. C(larence) James, for example); (d) the higher scholastic degrees received by the member, each followed by the name of the institution that conferred the degree and the last two digits of the year it was conferred (Ph.D., Yale, 31, for example); (e) the official title or position of the member (assoc. prof. chemistry or dir. research lab.,

for example); (f) the name and address of the institution (Northwestern Univ., Evanston, Ill., or General Electric Co., Schenectady, N. Y., for example); and (g) mail address in parentheses, if different from the institution address (212 E. Main St., Lansing, Mich., for example).

(2) The membership record is as follows: (a) Capital letters representing various kinds of membership (M, member; F, fellow; S, sustaining member; L, life member; E, emeritus life member; V, 50-year member; C, emeritus annual member; D, deceased; and R, resigned) indicate the successive changes in membership status of the member, and the numbers immediately following each of the various letters are the last two digits of the year the status was acquired. For example, M21L26F28D37 means that the person named was elected a member in 1921, a life member in 1926, a fellow in 1928 and died in 1937. If the membership has not been continuous, the record for each continuous period is enclosed in parentheses. (b) The offices held by a member are given in italics, and the years the offices were held. (c) The sections in which a member is interested are indicated by the letters attached to the various sections, as shown below. When there is more than one letter, the letters are arranged in the order of decreasing interest of the member in the corresponding sections.

Mathematics	A	Social and Economic Sciences.....	K
Physics	B	Historical and Philological Sciences....	L
Chemistry	C	Engineering	M
Astronomy	D	Medical Sciences	N
Geology and Geography.....	E	Subsection on Dentistry.....	Nd
Zoological Sciences	F	Subsection on Pharmacy.....	Np
Botanical Sciences	G	Agriculture	O
Anthropology	H	Industrial Science	P
Psychology	I	Education	Q

Abbreviations. The following abbreviations are used in the directory:

Acad.	Academy	Hosp.	Hospital
Agric.	Agricultural	Ins.	Insurance
Amer.	America or American	Inst.	Institute or Institution
Assn.	Association	Instr.	Instructor
Asst.	Assistant	Lab.	Laboratory
Assoc.	Associate	Med.	Medical or Medicine
Biol.	Biological	Mfg.	Manufacturing
Bur.	Bureau	Mgr.	Manager
Chem.	Chemical	Mus.	Museum
Col.	College	Nat.	National
Dept.	Department	Res.	Research
Dir.	Director	Sec.	Secretary
Div.	Division	Soc.	Society
Engng.	Engineering	Sta.	Station
Exp.	Experiment	Supt.	Superintendent
Gen.	General	Tech.	Technology
Geol.	Geological	Treas.	Treasurer

FELLOWS AND OTHER INDIVIDUAL MEMBERS

A

- Aamodt, Dr. O(laf) S(verre).** Ph.D., Minnesota, 27. Principal agronomist, Div. Forage Crops and Diseases, U. S. Bur. Plant Industry, Washington, D. C. M22-F25. OG.
- Aaron, Dr. A. H.** M.D., Buffalo, 12. Prof. clinical medicine, Univ. Buffalo School Med.; attending physician, Buffalo Gen. Hosp., Buffalo, N. Y. (64 Tudor Place) M36. N.
- Aaron, Isador (Morris).** M.S., Pennsylvania State; Allegheny Flood Control Survey, Kittanning, Pa. (Brady St., Route 2, Butler, Pa.) M40. G.
- Aase, Dr. Hannah Caroline.** Ph.D., Chicago, 14. Assoc. prof. botany, State Col. Washington, Pullman, Wash. M18F21. G.
- Abbe, Dr. Ernst C(leveland).** M.S., Cornell, 30; M.A., Harvard, 31; Ph.D., 33. Asst. prof., Univ. Minnesota Dept. Botany, Minneapolis, Minn. M29F38. G.
- Abbitt, Dr. W(illiam) H(enry).** Ph.D., Chicago, 26. Prof. physics, Texas Tech. Col., Lubbock, Tex. M31F38. AM.
- Abbot, Dr. Charles G(reeley).** M.Sc., Massachusetts Inst. Tech., 95; D.Sc., Melbourne, 14. Case, 30, George Washington, 37; LL.D., Toronto, 33. Sec., Smithsonian Inst., Washington, D. C. M00F02. DB.
- Abbot, Dr. E(dward) Stanley.** M.D., Harvard, 93. 29 Gloucester St., Boston, Mass. M04L09F28. IN.
- Abbott, Dr. Charles H(arian).** A.M., Brown, 14; Ph.D., 18. Prof. zoology, Univ. Redlands, Redlands, Calif. M14F31. FE.
- Abbott, Donald Putnam.** Student, Univ. Hawaii, Honolulu, Hawaii. M37. F.
- Abbott, Dr. Donald Putnam, Sr.** M30D36. N.
- Abbott, Dr. E(rnest) V(ictor).** M.S., Iowa State, 23; Ph.D., 25. Assoc. pathologist, U. S. Dept. Agric., Houma, La. M25F31. OG.
- Abbott, Dr. Howard C(linton).** 212 Rumsey Ave., Lansing, Mich. M25F25R32. G.
- Abbott, Miss Julia E(lizabeth).** M.A., Cornell, 27; M.S., Massachusetts State, 33. Instr. science, National Park Col., Forest Glen, Md. (413 S. Market St., Frederick, Md.) M39. QC.
- Abbott, Lynn (DeForrest), Jr.** M.S., Wayne, 37; Ph.D., Michigan, 40. Asst. biochemistry, Univ. Michigan, Ann Arbor, Mich. (1014 Cornwell Place) M40. CN.
- Abbott, Dr. Maude E(lizabeth Seymour).** 900 Sherbrooke St. W., Montreal, Que., Canada. M35F25R36. NL.
- Abbott, Prof. Raymond B(arrington).** M.S., California, 12; Ph.D., 19. 339 Sylvia St., West Lafayette, Ind. M24F31. B.
- Abbott, Dr. Theodore J(acob).** M.D., Columbia, 00. Physician, 160 E. 81st St., New York, N. Y. M20. N.
- Abbott, W. L.** 3500 Sheridan Road, Chicago, Ill. M29F29. M.
- Abbott, Walter S(idney).** Beltsville, Md. M24F25R37. F.
- Abbott, W(illiam) G(eorge), Jr.** Treas., Hillsborough Mills, Wilton, N. H. M16-F31. M.
- Abbott, Dr. William L.** M25D36. FH.
- Abegg, Dr. Fred A(nton).** M.S., Syracuse, 22; Ph.D., Wisconsin, 28. Assoc. geneticist sugar plant investigations, U. S. Bur. Plant Industry, Washington, D. C. M29-F30. GO.
- Abel, F. A. E.** 4604 Kahala Ave., Honolulu, Hawaii. M33R33. CO.
- Abel, Dr. James F(rederick).** A.M., Stanford, 18; Ph.D., George Washington, 30. Chief Div. Comparative Education, U. S. Office Education, Washington, D. C. (2025 H St. NW.) M27. IQ.
- Abel, Dr. John J(acob).** M02F02D38. N. *President, 1932.*
- Abel, Dr. Theodora M(ead).** M.A., Columbia, 24; Ph.D., 25. Dir. research, Manhattan High School Women's Garment Trades; psychological consultant, Chapin School, New York, N. Y. (11 W. 11th St.) M28F31. I.
- Abell, Prof. E(dward) L(aRue).** P.O. Box 642, Terre Haute, Ind. M29R34. Q.
- Abell, Richard G(urley).** Dept. Anatomy, Univ. Pennsylvania School Med., Philadelphia, Pa. M33R33. NFC.
- Abello, Prof. Tomas P. M.A.,** Harvard, 26; Ph.D., Chicago, 26. Dept. Physics, Univ. Philippines, Manila, P. I. M34F34. B.
- Abeloff, Dr. Abram Joseph.** 1114 Madison Ave., New York, N. Y. M36R36. N.
- Abercrombie, Dr. Ronald T(aylor).** M.D., Johns Hopkins, 05. Dir. Dept. Physical Education and Athletics, Johns Hopkins Univ., Baltimore, Md. (10 Whitfield Road) M08. KN.
- Abercrombie, Dr. W(arren) Fulton.** M.Sc., New York, 33; Ph.D., 35. Asst. prof. biology, Howard Col., Birmingham, Ala. (8216 2nd Ave. S.) M35. FN.
- Aberle, Dr. Sophie B(ledsoe) D. A.M.,** Stanford, 25; Ph.D., 27; M.D., Yale, 30. Supt., U. S. Pueblo Indian Agency; res. assoc., Carnegie Inst. Washington, Albuquerque, N. Mex. M26F32. HNF.
- Abernathy, Dr. E(dward) R(obert).** M.A., Ohio State, 28; Ph.D., 38. Supt., State School Deaf, Columbus, Ohio. M40. QI.

- Abernathy, Prof. Lewis G. A.M.**, Missouri, 20. Prof. physics, Central Col., Fayette, Mo. M36F40 B.
- Abernethy, Dr. (Andrew) David, Jr.** 220 Menzies Bldg., Hickory, N. Car. M36R36. MQ
- Abernethy, Dr. John Leo.** M.S. Northwestern, 38. Ph.D., 40. Asst. chemistry, Northwestern Univ., Evanston, Ill. M40. C.
- Ablan, Guillermo L.** Div. Fisheries, Bur Science, Manila, P. I. M33R33. FGB.
- Ableiter, J(ames) Kenneth.** M.S., Wisconsin, 32. Senior soil technologist, U S Bur. Plant Industry, Washington, D C. M36F39. OEG.
- Abrahams, Dr. Robert.** M29D35. N.
- Abrahamson, Dr. Emanuel M. M.A.**, Columbia, 20. Ph.D., 22. M.D., 26. Adjunct attending physician, Jewish Hosp.; asst. attending physician, Greenpoint Hosp., Brooklyn, N. Y. (201 Eastern Parkway) M25F33. NCB.
- Abram, Prof. Robert Cranston.** 110 N. Greenwood Ave., Columbia, Mo. M36R36. IQ
- Abrams, Dr. Allen.** M.S., Washington and Jefferson, 15; D.Sc., 37. Technical dir., Marathon Paper Mills Co., Rothschild, Wis. (815 10th St. Wausau, Wis.) M39. CM.
- Abrams, Duff Andrew.** C.E., Illinois, 00. Consulting engineer, 11 W. 42nd St. New York, N. Y. Mo8F15. AM
- Abrams, Dr. LeRoy.** A.M., Stanford, 02; Ph.D., Columbia, 10. Prof. botany and dir. Natural History Mus., Stanford University, Calif. (653 Cabrillo Ave.) Mo4F09. G.
- Abramson, Dr. David I.** M.D., Long Island Col. Med. Assoc. charge cardiovascular research, May Inst. Med. Res., Jewish Hosp., Cincinnati, Ohio. M40. N.
- Abramson, Prof. Harold A(lexander).** M.D., Columbia, 23. Asst. prof., Columbia Univ., New York, N. Y. (M28F33R33)-M35F33. N.
- Abreu, Dr. Benedict Ernest.** M.S., California, 37. Ph.D., 30. Instr., Dept. Pharmacology, Univ. Oklahoma School Med., Oklahoma City, Okla. M40 NpFC.
- Acconci, Prof. Themistocles F. D.** M.S., Manhattan, 31; M.A., Columbia, 37. Asst. prof. biology, Manhattan Col., New York, N. Y. M38. GFQ.
- Achilles, Dr. Edith Mulhall.** M.A., Columbia, 15; Ph.D., 18. Private consultant, 530 E. 86th St., New York, N. Y. M22L25F28. IQ.
- Achilles, Dr. Paul Strong.** M.A., Columbia, 16; Ph.D., 23. First vice pres. and gen. mgr., Psychological Corp.; lecturer, Columbia Univ., New York, N. Y. M27-F28. IKQ.
- Achinstein, Dr. Asher. M.A.**, Columbia, 23; Ph.D., 27. 46 W. 83rd St., New York, N. Y. M35F35. AK.
- Ackerman, A(dolph) J(ohn).** Tennessee Valley Authority, Knoxville, Tenn. M36-R36. M.
- Ackerman, Mrs. Ethel Serviss.** A.B., Vassar, 98. Durie Ave., Closter, N. J. L25. ADB.
- Ackerman, Dr. Lloyd.** M.S., Michigan, 24. Ph.D., 25. Asst. prof. biology, Western Reserve Univ., Cleveland, Ohio. (3912 Glenwood Road, Cleveland Heights) M25-F33. FN.
- Ackerson, Dr. C(lifton) W(alter).** M.Sc., Minnesota, 22; Ph.D., Nebraska, 26. Acting charge, Dept. Agric Chemistry, Univ. Nebraska Agric. Exp. Sta., Lincoln, Nebr. (3928 Dudley St.) M30F33. CO.
- Ackerson, Dr. Luton.** Inst. Juvenile Res., Chicago, Ill. M27F31R35. I
- Ackert, Dr. J(ames) E(dward).** A.M., Illinois, 11; Ph.D., 13. Dean Div. Graduate Study, prof. zoology, and parasitologist at Exp. Sta., Kansas State Col., Manhattan, Kans. (1923 Leavenworth St.) M11F15. F.
- Ackley, Dr. Alma B(ernice).** M.S., Michigan, 24; Ph.D., Ohio State, 30. Asst. prof., Wayne Univ., Detroit, Mich. (630 Merriek St.) (M31R33) M40. G.
- Acquarone, Dr. Paul.** Ph.D., Johns Hopkins, 20. Assoc. prof. biology, Univ. Akron, Akron, Ohio. (1558 Alton Drive) M35F35. G.
- Acree, Ellen Gray (Mrs. Harmon Monroe Radley).** M.A., George Washington, 30. Res. assoc., George Washington Univ. School Med., Washington, D. C. (1609 31st St. NW.) M36F38. N.
- Acree, Mrs. Ruby J.** Asst. pathologist, U. S. Bur. Plant Industry, Washington, D. C. (1841 Summit Place NW.) M34F34. GO.
- Acuña, Julián B.** Ingeniero agronomo, Habana, 30. Jefe dpto., Botany and Genetica, Est. Exp. Agronomica; prof. de suelos, Escuela Forestal, Cienaga, Habana, Cuba. M39F40. GO.
- Adair, Dr. C(harles) Roy.** M.S., Michigan State, 32; Ph.D., Wisconsin, 39. Asst. agronomist, Rice Branch Exp. Sta., U. S. Bur. Plant Industry, Stuttgart, Ark. M38-F40. OG.
- Adair, Dr. Frank E(arl).** M.D., Johns Hopkins, 15; D.Sc., Marietta, 34. Attending surgeon and executive officer, Memorial Hosp.; assoc. prof. clinical surgery, Cornell Univ. Med. Col., New York, N. Y. (75 E. 71st St.) M37F38. NQ.
- Adamo, Martin Eugene.** Hotel Statler, Boston, Mass. M35R35. NCG.
- Adams, Prof. A(my) Elizabeth.** M.A., Columbia, 18; Ph.D., Yale, 23. Prof. zoology, Mt. Holyoke Col., South Hadley, Mass. M19F21. FN.

Adams, Arthur H(erman). M23F32D38. MBK.

Adams, Prof. Arthur S(tanton). M.A., California, 26; Sc.D., Colorado School Mines, 27. Prof. mechanics, Colorado School Mines, Golden, Colo. (1215 16th St.) M34F34. M.

Adams, Prof. Bristow. 202 Fall Creek Drive, Ithaca, N. Y. M28R32. O.

Adams, C. Robert. 62 Farragut Ave., Piedmont, Calif. M36R36.

Adams, Dr. Charles C(hristopher). M.S., Harvard, 99; Ph.D., Chicago, 08; Sc.D., Illinois Wesleyan, 20. Dir., New York State Mus., Albany, N. Y. M01F03. FK.

Adams, Dr. Charles Frederick. M.D., Kansas, 02; A.M., 03. Dir. Labs., State Board Health, Jefferson City, Mo. M04F31. FN.

Adams, Charles H. Sec., Merchants Exchange, Inc., San Francisco, Calif. (129 24th Ave.) (M26F32R35) M37F32. D.

Adams, Dr. Comfort A(very). D.E., Case, 25; Lehigh, Consulting engineer, Edward G. Budd Mfg. Co., Philadelphia, Pa., Babcock and Wilcox Co., New York, N. Y., Okonite Co., Passaic, N. J., and Okonite Calendar Co., Patterson, N. J. (436 W. Stafford St., Germantown, Philadelphia, Pa.) M98F10. BMQ.

Adams, E. W. 109 Montclair Ave., Montclair, N. J. M25.

Adams, Edwin Learned. B.S., California, 08. Vice pres., Gen. Petroleum Corp. California, Los Angeles, Calif. (1712 Milan Ave., South Pasadena, Calif.) M18L26. MFG.

Adams, Prof. E(dwin) P(limpton). S.M., Harvard, 01; Ph.D., 04; Sc.D., Beloit, 31. Prof. physics, Princeton Univ., Princeton, N. J. (Edgerstoune) M07F10. B.

Adams, Dr. Elliot Q(uincy). Ph.D., California, 14. Physical chemist, Lamp Dept., Gen. Electric Co., Nela Park, Cleveland, Ohio. (3535 Edison Road, Cleveland Heights) M25F27. CBI.

Adams, Miss Esther (Flora). M.A., Missouri, 27. Instr. biological sciences, Moberly Junior Col., Moberly, Mo. (700 Gilman St.) M28. GF.

Adams, Prof. Frank. A.M., Nebraska, 06. Prof. irrigation investigations and practice, Univ. California; irrigation economist, Univ. California Agric. Exp. Sta., Berkeley, Calif. (1831 San Juan Ave.) M24F31. EOK.

Adams, Dr. Frank D(awson). Ph.D., Heidelberg, 92; D.Sc., McGill, 02; LL.D., Toronto, 16, Queen's, 19. Emeritus vice principal, McGill Univ., Montreal, Que., Canada. (1173 Mountain St.) M08F10. E.

Adams, Frederick C(arhart). M01D39. CQ.

Adams, Dr. F(rederick) J(oseph). M.A., California, 22; Ed.D., 27. Assoc. prof. educational psychology, Univ. Texas, Austin, Tex. M31F34. QIH.

Adams, G(eorge) E(dward). M.Agr., Rhode Island State, 16. Dean emeritus, Rhode Island State Col. School Agric., Kingston, R. I. M14F25. O.

Adams, Miss Georgian. M.A., Nebraska, 19; D.Sc., Johns Hopkins, 28. Assoc. home economist, U. S. Dept. Agric. Office Exp Stas., Washington, D. C. (2713 Chelsea Terrace, Windsor Hills, Baltimore, Md.) M30F38. C.

Adams, Prof. Henry F(oster). Ph.D., Chicago, 10. Prof. psychology, Univ. Michigan, Ann Arbor, Mich. (2000 Day St.) M25F28. I.

Adams, Dr. J(ames) Alfred. M.S., Iowa State, 33; Ph.D., 35. Instr. zoology, Grinnell Col., Grinnell, Iowa. M38. F.

Adams, Dr. J(ames) F(owler). M.Sc., Pennsylvania State, 14; Ph.D., Columbia, 16. Mgr. agric. chems., Gen. Chem. Co., New York, N. Y. M13F16. FG.

Adams, James Richardson. B.S., Pennsylvania. Supt. Special Products Dept., The Midvale Co., Philadelphia, Pa. (Hathboro, Pa.) M36. MBA.

Adams, Prof. John Mead. A.M., Harvard, 05; Ph.D., 07. Assoc. prof. physics, Univ. California, Los Angeles, Calif. M18F25. BQ.

Adams, Dr. John Q(uincy). A.M., Missouri, 25; Ph.D., 30. Assoc. prof. geography, Univ. Missouri, Columbia, Mo. M36F36. EKQ.

Adams, John W(agstaff). P.O. Box 21, Golden, Colo. (?) M38R39. E.

Adams, L(eason) H. B.S., Illinois, 06. Dir., Geophysical Lab., Carnegie Inst. Washington, Washington, D. C. (Bradley Blvd. and Burdette Road, Bethesda, Md.) M40. C.

Adams, Leland D. 310 Sansome St., San Francisco, Calif. M36R36. BCE

Adams, Dr. L(everett) A(llen). A.M., Kansas, 06; Ph.D., Columbia, 15. Prof. zoology and curator Mus. Natural History, Univ. Illinois, Urbana, Ill. (401 Vermont St.) M14F21. FG.

Adams, Miss Marian. Albion Col., Albion, Mich. M39.

Adams, Dr. Maxwell. M06F09D39. QLC.

Adams, Dr. Numa P(ompilius) G(arfield). A.M., Columbia, 12; M.D., Rush, 24. Dean and prof. medicine, Howard Univ. Col. Med., Washington, D. C. M37F38. NC.

Adams, Dr. Oscar S(herman). A.M., Kenyon, 15; Sc.D., 22. Senior mathematician, U. S. Coast and Geodetic Survey, Washington, D. C. (727 Massachusetts Ave. N.E.) M24F27. ABE.

- Adams, Dr. Philip D(elman). M.S., Pennsylvania State, 30; Ph.D., Cincinnati, 35. Dir. research, Andrew Jergens Co., Cincinnati, Ohio. M38. CN.
- Adams, Dr. Porter H. M.S., Norwich, 33. Pres., Norwich Univ., Northfield, Vt. M30. NMC.
- Adams, Prof. Richard L. M.S., California, 10. Prof. farm management and agric. economist, Agric. Exp. Sta. and Giannini Foundation, Univ. California Col. Agric., Berkeley, Calif. M35F35. O.
- Adams, Robert Winthrop. E.E., Worcester Polytechnic Inst., 08. District mgr., Central Sta. Dept., Gen. Electric Co., Boston, Mass. M39. M.
- Adams, Dr. Roger. A.M., Harvard, 10; Ph.D., 12; D.Sc., Brooklyn Polytechnic Inst., 35. Head Chemistry Dept., Univ. Illinois, Urbana, Ill. (603 Michigan Ave.) M17F22. *C. Vice president for Section on Chemistry (C), 1927.*
- Adams, Dr. Roy H. M.A., George Peabody; Ph.D. Assoc. prof. biology, State Teachers Col., Nacogdoches, Tex. M36. FG.
- Adams, Dr. Sidney. M.S., Washington, 30; Ph.D., California, 33. Res. asst., Personnel Dept., Tennessee Valley Authority, Knoxville, Tenn. (3705 Sutherland Ave.) M39. I.
- Adams, Theodore (Giffin). M.A., Columbia. 199 8th Ave., Brooklyn, N. Y. M39. F.
- Adams, Mrs. Thomas. 30 E. 60th St., New York, N. Y. M29.
- Adams, Dr. Thomas Caldwell. Ph.D., Cornell, 27. 242 S. 12th East St., Salt Lake City, Utah. M35F40. MBO.
- Adams, Dr. Walter S(ydney). M.A., Chicago, 00; Sc.D., Dartmouth, 13. Columbia, 26; LL.D., Pomona, 26. Dir., Mt. Wilson Observatory, Carnegie Inst. Washington, Pasadena, Calif. M17F18. DBA. *Vice president for Section on Astronomy (D), 1927. President of Pacific Division, 1929.*
- Adams, William A. 2235 N. 75th Ave., Elmwood Park, Ill. M25. H.
- Adams, William B. 432 S. Walnut St., Bloomington, Ind. M38R38. G.
- Adams, William E(ugenius). M.S., North Carolina State, 36. Asst. agronomist, U. S. Soil Conservation Service, Franklinton, N. Car. (115 Cheatham St.) M38. OGE.
- Adams, Dr. W(illiam) Lloyd. M.A., Ph.D., Western Reserve. Instr. Physiology and pharmacology, Albany Med. Col., Albany, N. Y. (357 Morris St.) M40. Np.
- Adams, Prof. W(illiam) R(itchie). M.S., Vermont, 28; Ph.D., Yale, 35. Assoc. prof. botany and forestry, Univ. Vermont; forester, Vermont Agric. Exp. Sta., Burlington, Vt. (36 Overlake Park) M29F33. GO.
- Adamson, George H(eesen). Mgr., Time Lab., Tecumseh, Mich. M40. DBA.
- Adamson, William Henry. P.O. Box 461, Huntsville, Tex. M33R35. BA.
- Adamstone, Dr. Frank Bolton. Univ. Illinois, Urbana, Ill. M27F33R36. F.
- Adanalian, Miss Alice. 87 S. Broadway, Yonkers, N. Y. M31R33. HIK.
- Addicks, J(ohn) E(dward). Powhatan Hotel, Washington, D. C. (?) M37R37. MHE.
- Addicott, Dr. F(rederick) T(aylor). Ph.D., California Inst. Tech., 39. Instr., Santa Barbara State Col., Santa Barbara, Calif. M37. GFN.
- Addie, Dr. Charles Barton. Central Med. Bldg., Philadelphia, Pa. M33R33. NHQ.
- Addinall, Dr. C(arl) R(upert). M.A., Harvard, 26; Ph.D., 30. Dir. Library Services Bur., Merck and Co., Inc., Rahway, N. J. M38. CNB.
- Addington, Prof. L(awrence) H(amilton). M.S., Michigan State. New Mexico A. and M. Col., State College, N. Mex. M38F40. OFC.
- Addison, Herbert. 1445 Detroit St., Denver, Colo. M19R36. EGM.
- Addison, Prof. William H(enry) F(itzgerald). M.D., Toronto, 17. Prof. normal histology and embryology, Univ. Pennsylvania School Med., Philadelphia, Pa. M08F13. FN.
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- Barnes, Prof. Elinor J(ulia).** M.A., Ohio State, 29; Ph.D., 31. Beaver Col. Women, Jenkintown, Pa. M32. IQK.
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- Barnes, Mrs. Grace.** 3715 Speedway, Austin, Tex. M32R32. F.
- Barnes, Harold.** M27D—. Q.
- Barnes, Dr. Harry Elmer.** Scripps-Howard Newspapers, 230 Park Ave., New York, N. Y. M22F23R34. HL. *Vice president for Section on Historical and Philological Sciences (L), 1927.*
- Barnes, Dr. Howard T(urner).** D.Sc., McGill, 00. Prof. emeritus physics, McGill Univ., Montreal, Que., Canada. (Queen City Park, Vt.) M26F29L25. B.
- Barnes, Dr. James.** M.A., Dalhousie, 00; Ph.D., Johns Hopkins, 04. Technical adviser, Franklin Inst., Philadelphia, Pa. M19F21. B.
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- Barth, Carl G(eorge Lange). M08L25F28-D39. M.
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- Black, Prof. Luther A. Univ. Maryland, College Park, Md. M31F33R37. NO.
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- Bollinger, Prof. C(lyde) J(ohn).** M.S., Chicago, 10. Univ. Oklahoma, Norman, Okla. M27F31. E.
- Bollinger, G(iles) M(allalieu).** M25F32-D—, C.
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- Bolton, Dr. Thaddeus L(incoln).** Ph.D., Clark, 94. Prof. emeritus psychology, Temple Univ., Philadelphia, Pa. (23 Wayne Ave., Narberth, Pa.) M01F01. HI
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- Buck, Prof. F(rank) E(benezer). Univ.
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ada M23R32. OGC.
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- Coulter, Dr. Stanley. Ph.D., Hanover, 89; LL.D., 87; Sc.D., Purdue, 30, Wabash, 32. Dean emeritus, Purdue Univ., La Fayette; Eli Lilly and Co., Indianapolis, Ind. M17-F21. G.
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- de Zeeuw, Dr. Richard. A.M., Hope, 09; Ph.D., Michigan, 09. Assoc. prof. botany, Michigan State Col., East Lansing, Mich. M11F16. G.
- d'Herelle, Prof. Felix. 6 Square Fredric Vallois, Paris, France. M33F33R33. N.
- Dhonau, Charles O. Pres., Cincinnati Col. Embalming, Cincinnati, Ohio. M24. N.
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- Dick, Katherine R. B.S., Texas, 33. Supt. nurses, Worcester State Hosp., Worcester, Mass. M39. NFQ.
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- Dickens, Prof. K(arl) L(avon). Louisiana State Univ. Med. Center, New Orleans, La. M34R34. NF.
- Dickensen, Dr. Henry F(rancis). A.M., George Peabody, 25; Ph.D., 33. Head Dept. Education, Lincoln Memorial Univ., Harrogate, Tenn. M35. IQ.
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- Diehm, Dr. Robert A. Rohm and Haas Co., Bristol, Pa. M31F33R35. GNO.
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- Dille, Dr. J(ames) M(adison). M.S., Nebraska, 33; Ph.D., Georgetown, 35. Assoc. prof. pharmacology, Univ. Washington Col. Pharmacy, Seattle, Wash. M37F38. NpFC.
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- Dillingham, Prof. Frank T(hompson). M.A., Yale. 16. Prof. chemistry and sugar technology and head Dept. Chemistry, Univ. Hawaii, Honolulu, Hawaii. M34-F34. C.
- Dillman, Arthur C(harles). M.S., Maryland. 26. Assoc. agronomist charge flax investigations, U. S. Bur. Plant Industry, Washington, D. C. M35F25. GO.
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- Dimmick, Dr. Graham Bennett. Univ. Kentucky, Lexington, Ky M32R32. IFH.
- Dimmitt, Luther M. 820 Witherspoon Bldg., Philadelphia, Pa. M31R32. QIK.
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- Dines, Dr. Lloyd L(yne). A.M., Northwestern, 07; Ph.D., Chicago, 11. Head Dept. Mathematics, Carnegie Inst. Technology, Pittsburgh, Pa M34F32. A.
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- Dinwiddie, Miss Emily Wayland. Greenwood, Va. M32R39. KGO.
- Dinwiddie, Stanley W(omack). B.S., Virginia, 33. Res. chemist, E. I. du Pont de Nemours and Co., Waynesboro, Va. M39. CP.
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- Doane, R(enner) W(ilbur). A.B., Stanford, 96. Stanford University, Calif. M08-F14. F.
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- Dodd, Prof. Stuart Carter. M.A., Princeton, 24; Ph.D., 26. Prof. and dir. Social Science Res. Section, Amer. Univ. Beirut, Beirut, Syria. (M34F34R35)M38F34. KI.
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- Gregg, W(illis) R(ay). M24F27D38. BDH.
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- Gregory, Prof. Herbert E(rnest). Ph.D., Yale, 99; D.Sc., Doane, 33. Prof. emeritus geology, Yale Univ., New Haven, Conn.; dir. emeritus, Bishop Mus., Honolulu, Hawaii. M01F02L12. E.
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- Harper, J(oseph) N(elson). M28F06-D36. O.
- Harper, Julia Joyce (See Mrs. Julia J. Brashear).
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- Harrison, Hartman K. Linden Ave. and Dolphin St., Baltimore, Md. M28R32. O.
- Harrison, Prof. Jamison R(ichard). M.A., Wesleyan, 27. Prof. physics and head Dept., Tufts Col., Medford, Mass. M34-F34. BMA.
- Harrison, Dr. John Hartwell. M.D., Virginia, 32. Instr. surgery, Harvard Med. School; junior assoc. surgery, Peter Bent Brigham Hosp., Boston, Mass. (49 Monmouth St., Brookline, Mass.) M40. N.
- Harrison, Miss Julia Peachy. M.A., Richmond, 09; Ph.D., Johns Hopkins, 12. Prof. chemistry and head Dept., Wilson Col. Chambersburg, Pa. (1314 Floyd Ave., Richmond, Va.) M25F33. CQ.
- Harrison, K(enneth) A(rchibald). M.Sc., McGill, 25. Plant pathologist, Div. Botany, Dominion Lab. Plant Pathology, Kentville, N. S., Canada, M27F32. GO.
- Harrison, R(oland) W(endell). S.M., Chicago, 25; Ph.D., 30. Asst. prof. bacteriology, Dept. Bacteriology and Parasitology and Zoller Memorial Dental Clinics, Univ. Chicago, Chicago, Ill. M26-F33. N.
- Harrison, Dr. Ross G(ranville). Ph.D., Johns Hopkins, 94; Freiburg, 29; M.D., Bonn, 99, Budapest, 35; M.A., Yale, 07; Sc.D., Cincinnati, 20, Michigan, 29, Trinity (Dublin), 32, Harvard, 36, Yale. 39. Prof. emeritus biology, Yale Univ., New Haven, Conn. (142 Huntington St.) M04F06. FN. *Vice president for Section on Zoological Sciences (F)*, 1936.
- Harrison, Miss Sally C. F. 600 Somerset Road, Baltimore, Md. M38R38. BC.
- Harrison, Shelby M(illard). LL.D., Northwestern, 32. Gen. dir., Russell Sage Foundation, 130 E. 22nd St., New York, N. Y. M32F33. K. *Vice president for Section on Social and Economic Sciences (K)*, 1935.
- Harrison, Dr. Joseph W. E. P.D., Philadelphia Col. Pharmacy and Science, 17; Ph.M., 23. Dir. LaWall and Harrison; asst. prof. bio-assays, Philadelphia Col. Pharmacy and Science, Philadelphia, Pa. (127 S. Wycomb Ave., Lansdowne, Pa.) M35. CNQ.
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- Harrold, Dr. Charles C(otton). 550 Orange St., Macon, Ga. M38R39. NHG.
- Harrold, Charles M., Jr. A.B., Wabash. New York University, University Heights, New York, N. Y. M38. F.
- Harrop, Dr. George A(rnold). M.D., Johns Hopkins, 16. Dir., Squibb Inst. Med. Res., New Brunswick, N. J.; lecturer biology, Princeton Univ., Princeton, N. J. (33 Cleveland Lane, Princeton, N. J.) M40. N.
- Harrouff, Earl Raymond. B.S., Kansas State, 16. Chemist-investigator, U. S. Bur. Internal Revenue, Kansas City, Mo. (5102 Tracy Ave.) M39. CBM.
- Harrow, Prof. Benjamin. Ph.D., Columbia, 13. Prof. chemistry. Col. City New York, New York, N. Y. M17F33. NBC.
- Harrower, J(ohn) Roberts. B.S., Wisconsin. California Milk Products Co., Gustine, Calif. M40. CO.
- Harsh, Dr. Charles M(axfield). M.A., California, 35; Ph.D., 36. Adjunct prof. psychology, Randolph-Macon Woman's Col., Lynchburg, Va. M37. ICN.
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- Harshbarger, Prof. William A(sbury). Sc.D., Washburn, 19. 1401 College Ave., Topeka, Kans. M17F18. AB.

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Hart, Dr. Edwin J(ames). M.S., Washington State, 31; Ph.D., Brown, 34. Res. chemist, U. S. Rubber Co., Passaic, N. J. (9 Linden Place, Nutley, N. J.) M38-F39. CBG.

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Hart, Francis Russell. M12D38. EL.

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Hart, Harry C(arlton). M.S., Pennsylvania; LL.B., Harvard. Patent attorney, Bell Telephone Labs., Inc., New York, N. Y. (Princeton, N. J.) M29. ABM.

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Hart, Prof. James Norris. Univ. Maine, Orono, Maine. M02F06R36. ADQ.

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Hart, Prof. N(elson) C(ollins). M.A., Toronto, 16. Univ. Western Ontario, London, Ont., Canada. M21F33. GOC.

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Hartel, Prof. Lawrence W(illiam). M.S., Kansas State, 24. Kansas State Col., Manhattan, Kans. M36F36. BDA.

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- Hartman, Dr. Robert J(ames). A.M., Indiana, 29, Ph.D., 30. Asst. prof. chemistry, Indiana Univ., Bloomington, Ind. M38. CBA.
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- Hartsook, A(rthur) J. M.S., Massachusetts Inst. Tech., 21. Asst. prof. chemical engng., Rice Institute, Houston, Tex. (1406 Branard Ave.) M38F39. MC.
- Hartstein, Jacob I. M.S., Col. City New York, 33; M.A., Columbia, 36. Registrar, sec. faculty, member Dept. Education, Yeshiva Col., New York, N. Y.; lecturer education and psychology, Long Island Univ., Brooklyn, N. Y. (550 Audubon Ave., New York, N. Y.) M40. QI.
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- Hartung, William John. 1305 Peralta Ave., Berkeley, Calif. M31F33R39. OGC.
- Hartweg, Norman. Mus. Zoology, Univ. Michigan, Ann Arbor, Mich. M32R32. FEG.
- Hartwell, Dr. Burt Laws. M05F11D39. GOC.
- Hartwell, Fred W. M.A., Columbia, 15. First asst. biology, Bushwick High School, Brooklyn, N. Y. M28. FG.
- Hartwell, Dr. John A(ugustus). 27 E. 63rd St., New York, N. Y. M28F33R34. N.
- Harty, John (Henry). M.A., Missouri, 28; Ph.D., 32. Prof. physics, Southeast Missouri State Teachers Col., Cape Girardeau, Mo. (607 Sunset Court) (M33R35)-M38F40. B.
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- Hartzell, Prof. Allen R(eiff). 25½ State St., Canton, N. Y. M34F34R34. C.
- Hartzell, Prof. F(rederick) Z(eller). A.M., Cornell, 09. Chief res. entomology, New York Agric. Exp. Sta., Geneva, N. Y.; prof. entomology, Cornell Univ., Ithaca, N. Y. (111 Main St., Geneva, N. Y.) M07F20. FGC.
- Harveson, Dr. Mae Elizabeth. A.M., Ph.D., Pennsylvania. 1719 Butler St., Philadelphia, Pa. M37. B.
- Harvey, Dr. B. C. H. M.D., Toronto, 28. Prof. anatomy, dean med. students, and dean students Div. Biological Sciences, Univ. Chicago, Chicago, Ill. M34F34. N.
- Harvey, Dr. Cecil C(laude). S.M., Chicago, 31; Ph.D., Illinois, 38. Instr. physiological chemistry, Univ. Illinois Col. Med., Chicago, Ill. (4144 N. Sheridan Road) M40. CFN.
- Harvey, C(larke) K(ennerley). C.E., Ohio State, 06. Office engineer, County Allegheny, Pittsburgh, Pa. (933 Fordham St., Brookline) M17. EMA.
- Harvey, Mrs. Dorothy R(emaley). M.A., Southern California, 28. Asst. prof. botany, San Diego State Col., San Diego, Calif. (5801 Adelaide Ave.) M31. GF.
- Harvey, Prof. E(dmund) Newton. Ph.D., Columbia, 11. Prof. Biology, Princeton Univ., Princeton, N. J. M01F21. FGN.
- Harvey, Dr. E(dward) M(aris). Ph.D., Chicago, 14. Physiologist, U. S. Bur. Plant Industry, Pomona, Calif. (305 W. Alvarado Ave.) M11F15. GO.
- Harvey, Dr. Ellery H(ale). M.A., Bucknell, 24; Ch.E., Bucknell, 29; Ph.D., Wisconsin, 26. Chief chemist, Wilson and Co., Chicago, Ill. (987 Ridgewood Drive, Highland Park, Ill.) M25F33. CM.
- Harvey, Dr. Ethel Browne. M.A., Columbia, 07; Ph.D., 13. Princeton Univ., Princeton, N. J. (48 Cleveland Lane) M29F30. F.
- Harvey, Dr. Fred(eric) A(ddison). M.S., California, 06; Ph.D., 09. Dir. res., Harbison-Walker Refractories Co., Pittsburgh, Pa. M34F34. MBE.
- Harvey, Prof. G(eorge) G(raham). M.Sc., Washington Univ., 30; Ph.D., 32. Asst. prof. physics, Massachusetts Inst. Tech., Cambridge, Mass. M34F38. BAD.
- Harvey, Dr. James V(ernon). A.M., North Carolina, 25; Ph.D., Wisconsin, 29. Asst. prof., San Bernardino Valley Junior Col., San Bernardino, Calif. (699 S. K St.) M27F31. G.

- Harvey, Mary Gertrude. Bradley Polytechnic Inst., Peoria, Ill. M33F33R33. C.
- Harvey, Mrs. Mary W(right). 67 Clinton St., Batavia, N. Y. M37R37. N.
- Harvey, Prof. P. Caspar. 438 N. Missouri St., Liberty, Mo. M36R37. Q.
- Harvey, Dr. Paul A(twood). M.S., Minnesota, 18, Ph.D., California, 35. Instr. biology, San Francisco State Col., San Francisco, Calif. M40. FGN.
- Harvey, Dr. Paul H(enry). Ph.D., Iowa State, 38. Assoc. agronomist, North Carolina State Col., Raleigh, N. Car. M38. G.
- Harvey, Mrs. Rodney B. (Helen Whittier Harvey). B.A., Mt. Holyoke, 15. Box 116, Route 2, Stillwater, Minn. M38. G.
- Harvey, Dr. R(odney) B(eecher). Ph.D., Chicago, 18; D.Sc., Purdue, 39. Prof. plant physiology, agric. botany and horticulture, Univ. Minnesota, Univ. Farm, St. Paul, Minn. M17F21. GO.
- Harvey, Dr. Samuel C(lark). M.D., Yale, 11; Sc.D., Western Reserve, 31. Prof. surgery, Yale Univ. School Med.; surgeon-in-chief, New Haven Hosp. and New Haven Dispensary, New Haven, Conn. M12F31. N.
- Harwell, Dr. Joseph G. Ph.D., Chicago, 32. 35 Hillside Ave., New York, N. Y. M38. CB.
- Harwood, E(dward) C(rosby). M.C.E., Rensselaer Polytechnic Inst., 29; M.B.A., 30. Dir., Amer. Inst. Economic Res., 54 Dunster St., Cambridge, Mass. M37. KM.
- Harwood, Dr. Paul D(uane). M.A., Rice, 30; Ph.D., 31. Assoc. parasitologist, U. S. Dept. Agric., Washington, D. C. (College Park, Md.) (M32F33R34)M38F33. FDN.
- Harwood, Robert D(aniel). Ph.D., Cornell, 28. Prof. zoology, San Diego State Col., San Diego, Calif. (4541 Alice St.) M25F33. FG.
- Hasbrouck, Major Philip B(evier). M.E., Cornell, 96. Mgr., Fontana Union Water Co. and Fontana Power Co.; engineer, Fontana Farms Co. and Fontana Domestic Water Co., Fontana, Calif. M28. MEI.
- Hasel, A(ustin) A(lexander). B.S., Michigan, 26. Assoc. silviculturist, California Forest and Range Exp. Sta., U. S. Forest Service, Berkeley, Calif. (2574 Buena Vista Way) M39. OFG.
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- Haseman, Prof. Leonard. A.M., Indiana, 07; Ph.D., Cornell, 10. Prof. entomology, Univ. Missouri, Columbia, Mo. M08F20. F.
- Haskell, Earl S(tanley). M.S., Iowa State, 09. Senior economist, Commodity Exchange Administration, U. S. Dept. Agric., Washington, D. C. (3622 T St. NW.) M18. OKP.
- Haskell, Edward F. A.B., Oberlin, 29. Graduate student, Univ. Chicago, Chicago, Ill. (5610 S. Dorchester Ave.) M39. HGE.
- Haskell, Prof. Mellen W(oodman). Box 3, Berkeley, Calif. M04F06R33. AL.
- Haskell, Norman A. A.M., Harvard, 35; Ph.D., 36. Seismologist, Western Geophysical Co., 601 W. 5th St., Los Angeles, Calif. (538 S. Van Ness Ave.) M36. EB.
- Haskell, Dr. Royal Joyslin. Ph.D., Cornell, 17. Senior extension plant pathologist, U. S. Bur. Plant Industry, Washington, D. C. (1636 Kalmia Road) M24F25. G.
- Haskell, Sidney B(urritt). B.Sc., Massachusetts State, 04. Vice pres., Barrett Co., 40 Rector St., New York, N. Y. (12 Orsini Drive, Larchmont, N. Y.) M18F22. OG.
- Haskew, C(aleb) A(rchibald). A.M., Missouri, 24. Head Dept. Science and dean, Lander Col., Greenwood, S. Car. (225 Grace St.) M29F33. CBM.
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- Haskins, Prof. Charles N(elson). Ph.D., Harvard, 01. Prof. mathematics, Dartmouth Col., Hanover, N. H. (Hanover Road, Lebanon, N. H.) M08F10. A.
- Hasler, Dr. Arthur D(avis). Biology Bldg., Univ. Wisconsin, Madison, Wis. M37R38. FN.
- Haslerud, Dr. George M. Dept. Psychology, Univ. Tennessee, Knoxville, Tenn. M36R36. IQN.
- Hasley, Dr. Clyde Knapp. M.D., Michigan, 18. Attending radiologist and attending dermatologist, Grace Hosp.; physician, 1429 David Whitney Bldg., Detroit, Mich. M40. N.
- Hass, George (Marvin). M.D., 29. Asst. prof., Cornell Univ. Med. Col.; asst. pathologist, New York Hosp., New York, N. Y. (315 E. 68th St.) M39. N.
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- Hasselstrom, Dr. (K.) Torsten (H. A.). M.A., Helsingfors, 20; D.Sc., 25. Dir. res., G. and A. Labs., Inc., Savannah, Ga. (1305 E. 50th St.) M38F38. C.
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- Hastings, George T(racy). M.S., Columbia, 21. Chairman Dept. Biology, Theodore Roosevelt High School, New York, N. Y. (2587 Sedgwick Ave.) M26F31. G.
- Hastings, Prof. R(ussell) B(yron). A.M., Clark, 25. Prof. physics, Macalester Col., St. Paul, Minn. M33F33. BM.
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- Hopewell, Charles F(rederick). M30-D39. M.
- Hopf, Harry Arthur. M.C.S., New York, 14; M.B.A., 22. Pres., Hopf Inst. Management, Ossining, N. Y.; head H. A. Hopf and Co., 500 5th Ave., New York, N. Y. M28. KMI.
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- Hopkins, Prof. B. S(mith). A.M., Albion, 97; Sc.D., 26; Ph.D., Johns Hopkins, 06. Prof. inorganic chemistry, Univ. Illinois, Urbana, Ill. (402 Florida St.) M08F11. C.
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- Hoskins, Prof. Leander M(iller). M04-F06D37. A.
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- Hosmer, Prof. Ralph S(heldon). M.F., Yale, 02. Prof. forestry and head Dept., New York State Col. Agric., Ithaca, N. Y. (209 Wait Ave.) M14F18. KGQ.
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- Hotson, Dr. John William. M.A., McMaster, 02; Ph.D., Harvard, 13. Univ. Washington, Seattle, Wash. M12F22. G.
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- Jones, Prof. J Shirley. M.S.A., Cornell, 14. Prof. agric. chemistry, Oregon State Col.; chemist in charge, Dept. Agric. Chemistry, Oregon Agric. Exp. Sta., Corvallis, Oreg. (2833 Arnold Way) M17-F18. CO
- Jones, Dr. J. S. William. A.M., Washington Col., 92; D.Sc., 18; Litt.D., Franklin and Marshall, 28. Prof. mathematics and dean, Washington Col., Chestertown, Md. (224 Washington Ave.) M37. AD.
- Jones, Jenkin W(illiam). M.S., California, 24. Senior agronomist, Div. Cereal Crops and Diseases, U. S. Bur. Plant Industry, Washington, D. C. M28F29. O.
- Jones, Dr. J(ohn) Leslie. M.S., California, 34; Ph.D., Stanford, 36. Instr., Dept. Chemistry, Howard Univ., Washington, D. C. M40F40. BC.
- Jones, John McKinley. M.A., Missouri, 12. Chief Div. Range Animal Husbandry, Texas Agric. Exp. Sta., College Station, Tex. (812 Ennis St., Bryan, Tex.) M13-F40. O.
- Jones, J(ohn) P(aul). M.S., Maryland, 21; Ph.D., Cornell, 26. Center Bldg., Upper Darby, Pa. M24F31. GO.
- Jones, Prof. J(oseph) W(illiam) L(ester). A.M., Princeton, 95; Ph.D., 01. Prof. psychology, Heidelberg Col., Tiffin, Ohio. (130 Greenfield St.) M22F31. IHK.
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- Jones, Dr. Leon K(illy). M.S., Wisconsin, 21; Ph.D., 22. Assoc. prof. and assoc. plant pathologist, State Col. Washington, Pullman, Wash. M24F25. GF.
- Jones, Dr. Lewis Ralph. Ph.D., Michigan, 04; Sc.D., Vermont, 10. Brookfield, Vt. M92F94E39. G. *Vice president for Section on Agriculture (O)*, 1924.
- Jones, Dr. Linus H(ale). M.Sc., Massachusetts State, 19; Ph.D., Rutgers, 22. Asst. res. prof., Massachusetts Agric. Exp. Sta., Amherst, Mass. M21F24. GO.
- Jones, Lloyd Balderston. M.E., Cornell, 04. Engineer tests, Pennsylvania Railroad, Altoona, Pa. (817 Penn St., Hollidaysburg, Pa.) M18. M.
- Jones, Dr. Lloyd Meredith. M.A., Columbia, 27; Ph.D., 35. Assoc. prof. physical education, West Virginia Univ., Morgantown, W. Va. (301 1st St.) M35. QKI.
- Jones, Prof. Lloyd R. Ph.D., St. Louis, 28. Asst. prof. bacteriology and chairman Dept., St. Louis Univ., St. Louis, Mo. (1402 S. Grand Ave.) M34F34. N.
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- Jones, Dr. Lynds. M.Sc., Oberlin, 95; Ph.D., Chicago, 05. Prof. emeritus animal ecology, Oberlin Col., Oberlin, Ohio. (352 W. College St.) M01F05. FG.
- Jones, Lynn W. A.M., Southern California, 31. Asst. prof. physics, Univ. Redlands, Redlands, Calif. M32F33. BM.
- Jones, Prof. Marcus Eugene. M91F93-D34. EGH.
- Jones, Mark M(anderville). Pres., Akron Belting Co., Akron, Ohio; chairman Board, Power Transmission Council, Boston, Mass.; consulting economist, Princeton, N. J. M29. K.
- Jones, Dr. Marvin Fisher. M.D., Buffalo, 13. Surgeon dir. otolaryngology, Manhattan Eye, Ear, and Throat Hosp., New York; consulting otolaryngologist, New York Hosp. and Tioga County Gen. Hosp., New York, United Hosp., Port Chester, N. Y., and Newton Hosp., Newton, N. J. M34F34. N.
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- Jones, Dr. Vera Heinly. M36D—. N.
- Jones, Dr. Victor H(arian). M.S., Ph.D., Iowa. Section Sedimentation Studies, U. S. Soil Conservation Service, Washington, D. C. M39. E.
- Jones, Volney H(urrt). M.A., New Mexico, 31. Asst. curator ethnology, Mus. Anthropology, Univ. Michigan, Ann Arbor, Mich. M36. HG.
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- McClung, Prof. Robert K(ening). Univ. Manitoba, Winnipeg, Man., Canada. M06-F08R39. B.
- McClure, Prof. Charles F(reeman) W(illiam). A.M., Princeton, 92; Sc.D., Columbia, 08. Prof. emeritus biology, Princeton Univ., Princeton, N. J. M18F20. F.
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- McClure, Dr. Frank J(ames). State College, Pa. M34F34R34. O.
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- McComas, Dr. Henry Clay. A.M., Columbia, 08; Ph.D., Harvard, 10. Pres., H. C. McComas Coal Co., 300 W. 23rd St., Baltimore, Md. (320 Hawthorn Road, Roland Park) M11F14. I.
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- McComb, H(arold) E(dgar). M.A., Nebraska, 09. Chief, Section Observatories and Equipment, U. S. Coast and Geodetic Survey, Washington, D. C. (417 Emerson St. NW.) M29F33. BCE.
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- McConnell, Dr. Carl H. Hartwick Col., Oneonta, N. Y. (?) M35F35R35. F.
- McConnell, Dr. Duncan. M.S., Cornell, 32. Ph.D., Minnesota, 37. Instr. mineralogy, Univ. Texas, Austin, Tex. M39. ECB.
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- McCready, Prof. Edward, Jr. Dept. Biology, Univ. South, Sewanee, Tenn. M33F36R39. FN.
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- Marie, Sister Aloysius (See Sister Aloysius Marie Metz).
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- Miley, Dr. George (Petrie). M.D., Northwestern, 33. Clinical prof. pharmacology, Hahnemann Med. Col. and Hosp., Philadelphia, Pa. (235 N. 15th St.) M39. NPQ.
- Miley, Henry Artis. Lincoln Memorial Univ., Harrogate, Tenn. (?) (M32R32)-M35F35R35. BA.
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- Milgram, Dr. J(oseph) E(lias). 28 W. 63rd St., New York, N. Y. M36R36. N.
- Milham, Prof. Willis I(sbister). A.M., Williams, 95; Ph.D., Strassburg, 01. Prof. astronomy, Williams Col., Williamston, Mass. M98F05. D.
- Milhone, Rev. Damian William. M.S., Illinois, 33. Head Dept. Biology, St. Bede Col., Peru, Ill.; visiting lecturer bacteriology and pathology, St. Mary's Nurses Training School, La Salle, Ill. M37F39. GF.

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Millar, William B(uchanan). Eclipse Airways, Chapleau, Ont., Canada. (?) M28-R33. EM.

Millberry, Dr. Guy S(tillman). D.D.S., California, 01. Prof. dental health education, Univ. California Col. Dentistry; sec., Medico-Dental Bldg. Corp., San Francisco, Calif. (78 Buchanan St.) M13F15. KNDQ.

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Miller, Adam Marion. M08F11D35. N

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Miller, Dr. A(rthur) W. D.V.S., Kansas City Veterinary Col., 01 Chief Interstate Inspection Div. and asst chief U. S. Bur. Animal Industry, Washington, D. C. (6833 Piney Branch Road) M31F33. NO.

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Miller, B. H. Eagle Pass, Tex. M32R32

Miller, Dr. Benjamin F(rank). Ch.E., Massachusetts Inst. Tech., 28, M.D., Harvard, 33 Asst. prof. medicine, Univ. Chicago, Chicago, Ill. M38. NC.

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Miller, Mrs. Byron DeWitt (See Mrs. H. Strongman Miller).

Miller, Byron S. Sherry Netherland, New York, N. Y. M29

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- Miller, Prof. D(avid) F(ranklin). M.A., Ohio State, 24; Ph.D., 28. Assoc. prof. zoology, Ohio State Univ., Columbus, Ohio. M29F33. FQN.
- Miller, Prof. Dayton C(larence). A.M., Baldwin, 89; D.Sc., Princeton, 90. Miami, 24. Dartmouth, 27; L.L.D., Western Reserve, 27. Baldwin, 33; D.E., Case, 36. Honorary prof. physics, Case School Applied Science, Cleveland, Ohio. M95F98-E39. BD. *Secretary of Section on Physics (B)*, 1902-06; *vice president*, 1907.
- Miller, D(ewey) B. 134 Bellwood Ave., Bellwood, Ill. M38. ABM.
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- Miller, Dr. Donald W(ilson). A.M., George Peabody, 26; Ed.M., Harvard, 27; Ed.D., 29. Prof. psychology, Lesley School, Cambridge; special lecturer psychology, Katharine Gibbs School, Boston, Mass. (367 Harvard St., Cambridge, Mass.) M30 IQ.
- Miller, Dr. Dorothea Starbuck. Ph.D., Iowa, 38. Asst. prof. zoology, Connecticut Col., New London, Conn. M40. F.
- Miller, Dr. E(dgar) C(alvin) L(eRoy). M.D., Michigan, 94. Directing librarian, Med. Col. Virginia, Richmond, Va. M07-F11. N.
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- Miller, Dr. Edwin C(yrus). Ph.D., Yale, 10. Prof. plant physiology, Kansas State Col.; plant physiologist, Kansas Agric. Exp. Sta., Manhattan, Kans. (211 N. 18th St.) M13F15. G.
- Miller, E(dwin) D(eWitt). M.A., Ph.D., Virginia. Assoc. prof. biology, Madison Col., Harrisonburg, Va. M37. FN.
- Miller, Dr. Edwin L. M.S., Illinois, 30; Ph.D., 33. Assoc. prof. zoology, Louisiana State Univ., University, La. M39. FN.
- Miller, Dr. Eleanor Olmstead. M.A., Northwestern, 20; Ph.D., Wisconsin, 26. Prof. psychology and education, Illinois Col., Jacksonville, Ill. (1252 W. College Ave.) M33F33. IQ.
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- Miller, Dr. Elroy J(ohn). M.S., Michigan, 15; Ph.D., 23. Chemist, Michigan Agric. Exp. Sta., East Lansing, Mich. (262 Cedar St.) M26F33. C.
- Miller, E(lwood) Morton. M.S., Chicago, 30. Asst. prof. zoology, Univ. Miami, Coral Gables, Fla. M39. FG.
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- Miller, Prof. George J. S.M., Chicago, 09. Prof. geography, State Teachers Col., Mankato, Minn. (103 Parsons St.) M11-F16L28. EQ.
- Miller, Dr. George Norton. M04L13D35. HKN.
- Miller, Gerrit S(mith), Jr. A.B., Harvard, 94. Curator, Div. Mammals, U. S. Nat. Mus., Washington, D. C. M24F27. F.
- Miller, Glennard E(arl). B.S., Purdue, 21. Chemist, Fleischmann Labs., Standard Brands, Inc., 810 Grand Concourse, New York, N. Y. M29. CMB.

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- Miller, Harry G(eorge). Ph.D., Wisconsin, 22. Biochemist, Chem. Div., Procter and Gamble, Ivorydale, Ohio. (3655 Middleton Ave., Cincinnati, Ohio) M25F25. NCO.
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- Miller, Miss Helen Mar. McMillan Hall, Washington Univ., St. Louis, Mo. (?) M32R34. F.
- Miller, Miss Helena A(gnes). M.Sc., Ohio State, 38. Teacher science, Girls School, Milton Acad., Milton, Mass. (556 Washington St., Boston, Mass.) M39. G.
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- Miller, Prof. Herbert A(dolphus). Bryn Mawr Col., Bryn Mawr, Pa. M37R37. K.
- Miller, Dr. Herbert C. D.D.S., Missouri Dental Col., 85; M.D., St. Louis, 87. Pres., North Pacific Col. Oregon, Portland, Oreg. (1041 S. West Vista Ave.) M35. NKO.
- Miller, Howard S(eaman). E.E., Syracuse, 13; M.A., California, 15; LL.B., George Washington, 19. Law examiner, U. S. Patent Office, Washington, D. C. (1355 Locust Road NW.) M40. MB.
- Miller, Hugh. 1018 Nott St., Schenectady, N. Y. (?) M25F25R32. M. *Secretary of Section on Engineering (M)*, 1924.
- Miller, Dr. Hugo E(ugene). M.S., Minnesota, 27; M.D., 28. Physician, 91 S. 7th St., Minneapolis, Minn. M31. NFB.
- Miller, Dr. Hyman. M.D., Stanford, 22. 3704 Prestwick Drive, Los Angeles, Calif. M34. LN.
- Miller, Dr. Hymen R(udolph). 2 E. 85th St., New York, N. Y. M24R37. NQ.
- Miller, Irving. Royalcrest Orchard, Route 4, Medford, Oreg. M13R38. G.
- Miller, Prof. I(saac) L(eslie). M18F33-D36. A.
- Miller, Dr. Israel S. 665 Fifth Ave., New York, N. Y. M33R35. N.
- Miller, J. Allen. M35D—.
- Miller, Dr. James A(lbert). Ph.D., Chicago, 37. Instr. anatomy, Univ. Michigan, Ann Arbor, Mich. (1102 Belmar Place) M36. F.
- Miller, Dr. James Collins. 114 Bennett Hall, Univ. Pennsylvania School Education, Philadelphia, Pa. M22R36. Q.
- Miller, Dr. James Shannon. C.E., Virginia, 89, Sc D., 93. Prof. mathematics, Emory and Henry Col., Emory, Va. M34-F34. AD.
- Miller, Prof. James S(hannon), Jr. E.E., Virginia, 20. Box 1595. University, Va. M37. MB.
- Miller, Jerome N. M.A., Ohio State. Consulting chemist, 4125 Stanhope St., Dallas, Tex. M39. CB.
- Miller, Prof. John Allen. M.Sc., Ohio State, 27; Ph.D., 32. Asst. prof. zoology and entomology, Ohio State Univ., Columbus, Ohio. M29. FG.
- Miller, Dr. John Anthony. A.M., Stanford, 93; Ph.D., Chicago, 99; LL.D., Indiana, 29. Prof. mathematics and astronomy retired, Swarthmore Col., Swarthmore, Pa. M82F06V37. AD. *Vice president for Section on Astronomy (D)*, 1924.
- Miller, John M(artin). B.S., Stanford, 08. Senior entomologist, U. S. Bur. Entomology and Plant Quarantine, Berkeley, Calif. M18F33. F.
- Miller, Joseph. M.A., Oberlin, 35; Ph.D., Yale, 39. Dept. Psychology, Stanford University, Calif. M40. I.
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- Miller, Dr. Joseph L(eggett). M08F11-D37. N.
- Miller, Dr. Joseph S. A. Rockland State Hosp., Orangeburg, N. Y. M38R38. NKH.
- Miller, Dr. Joseph W(illiam). M.D., Albany, 15. Bronchoscopist, Beth David Hosp. and Israel-Zion Hosp.; asst. otolaryngologist, Gouveneur Hosp.; chief laryngologist and bronchoscopist, Stuyvesant Polyclinic Hosp., New York, N. Y. M37. N.
- Miller, Dr. Julian C(reighton). M.S., Cornell, 26; Ph.D., 28. Horticulturist, Louisiana Agric. Exp. Sta., University, La. M30F32. OFG.
- Miller, Dr. Julian H(owell). Dept. Botany, Univ. Georgia, Athens, Ga. M29F30-R33. G.
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- Miller, Dr. L(ouallen) F(rederick). Ph.D., Chicago, 21. Prof. physics, Univ. Minnesota, Minneapolis, Minn. M22F31. B.
- Miller, Dr. Loye (Holmes). M.S., California, 04; Ph.D., 12. Prof. biology and chairman Life Science Group, Univ. California Los Angeles, Los Angeles, Calif. M12F15. FE.
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- Miller, Dr. Mike A(nthony). Ph.D., Michigan, 36. Physical chemist, Aluminum Res. Labs., New Kensington, Pa. M37. CBM.
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- Miller, O(sborn) M(aitland). Dept. Mathematical Geography, Amer. Geographical Soc., New York, N. Y. M33. EDM.
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- Miller, Prof. Paul T(heodore). M.S., Iowa, 30; Ph.D., 32. Prof. geology and geography, State Teachers Col., Superior, Wis. M39. E.
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- Miller, P(leasant) T(homas). M.A., Texas, 18. Prof. chemistry and dean Col. Liberal Arts, Univ. Wyoming, Laramie, Wyo. M36F36. C.
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- Miller, Dr. Ralph E(nglish). M.D., Harvard, 28; M.S., Minnesota, 31. Assoc. prof. pathology and asst. dean Dartmouth Med. School; dir. labs., Mary Hitchcock Memorial Hosp., Hanover, N. H. (9 Downing Road) M39. FN.
- Miller, Dr. Ralph L(eRoy). Ph.D., Columbia, 37. Instr. geology, Columbia Univ., New York, N. Y. M39. E.
- Miller, Dr. Ralph L(ester). M.S., Ohio State, 25; Ph.D., 28. Entomologist, Florida Agric. Supply Co., 1040 W. Amelia Ave., Orlando, Fla. (701 S. Hyer Ave.) M35-F33. F.
- Miller, Prof. R(aymond) F(oster). A.M., Kansas, 12; Ph.D., Iowa, 23. Prof. physics, Col. Emporia, Emporia, Kans. M25F31. BDE.

- Miller, Dr. Richard H. M.D., Harvard, 10. Clinical prof. surgery, Harvard Med. School; visiting surgeon, Massachusetts Gen. Hosp., Boston, Mass. (264 Beacon St.) M34F34. N.
- Miller, Dr. Robert C(unningham). A.M., California, 21; Ph.D., 23. Dir. Mus. and Steinhart Aquarium, California Acad. Sciences, San Francisco, Calif. M22F25. FI.
- Miller, Dr. Robert Talbott. M.D., Johns Hopkins, 03; D.Sc., Amherst, 25. Mountain Lake, Lake Wales, Fla. M16F27. N.
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- Miller, W(alter) B(yron). B.A., Tennessee, 00. Consulting engineer, Guyan Eagle Coal Co., Amherstdale, W. Va. (1129 5th Ave., Huntington, W. Va.) M23. M.
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- Miller, Prof. William Snow. M93F94E39-D39 NF.
- Millet, Dr. John A(lfred) P(arsons). 770 Park Ave., New York, N. Y. M34F34R38. IN.
- Millette, Dr. John W. M.A., Wittenberg, 08; M.S., Ohio Wesleyan, 03; M.D., Ohio State, 03. Aurist and oculist, 58 Cambridge Ave., Dayton, Ohio. M24. N.
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- Monroe, Prof. Walter S(cott). Ph.D., Chicago, 15. Bur. Educational Res., Univ. Illinois, Urbana, Ill. M22F25. IQ.
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- Poor, Prof. R. S. Birmingham-Southern Col., Birmingham, Ala. M35F35R35. E.
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- Sneath, Dr. E(lias) Hershey.** M02F02-D35. Q.
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- Stewart, R(obert) Meldrum. M.A., Toronto, 03. Dominion astronomer, Dominion Observatory, Ottawa, Ont., Canada. (Observatory House) M09F10. DAB. *Vice president for Section on Astronomy (D)*, 1938.
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- Stewart, Spencer W(ilson). 295 Madison Ave., New York, N. Y. M18. M.
- Steyaert, René Leopold. Laboratoire de Bambesa, District de L'Uele, Belgian Congo, Africa. M38F40. GO.
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- Stickney, Dr. Fenner S(atterthwaite). M24F33D—. FG.
- Stickney, Gardner P(erry). M95F01D35. HK.
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- Stieglitz, Dr. Edward (Julius). M.S., Chicago, 19; M.D., Rush, 22. Res. assoc. charge investigations gerontology, Nat. Inst. Health, Washington, D. C. (12 Clermont Place, Garrett Park, Md.) M39. N.
- Stieglitz, Dr. Julius (Oscar). M90F95D37. C. *Vice president for Section on Chemistry (C)*, 1916.
- Stiegman, Dr. Clarence Albert. M.S., Ph.D., Illinois. Production chemist, Oldbury Electro-Chem. Co., Niagara Falls, N. Y. (1344 Garrett Ave.) M40. CI.
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- Stock, Edward W. (See William Edward Stock).
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- Stockard, Dr. Charles Rupert. M02F09-D39. NF.
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- Stokes, Dr. Ella H. A.M., Ohio Wesleyan, 01; Ph.D., Chicago, 10. Head Dept. Education and prof. philosophy and education, William Penn Col., Oskaloosa, Iowa. (416 College Hill Ave.) M31. QI.
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- Stone, Prof. Calvin P(erry). A.M., Indiana, 16; Ph.D., Minnesota, 21. Prof. psychology, Stanford University, Calif. M28F31. I. *Delivered address of retiring president for Section on Psychology (I) at the Richmond meeting, December, 1938.*
- Stone, Carrington Harlow. B.S., Wisconsin, 15. Owner, Carrington H. Stone, Sales Engineers, 205 W. Wacker Drive, Chicago, Ill. (1353 N. State St.) M32. BMA.
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- Stookey, Dr. Lyman B(umbaugh). M35-F06D40. F.
- Stookey, Dr. S(tephen) W(harton). M.S., Coe, 87; LL.D., 05. Dean and prof. geology emeritus, Coe Col., Cedar Rapids, Iowa. (2505 A Ave. NE.) (M11F15R32)-M39F15. EG.
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- Wentz, Prof. John B(udd). M19F24D38. GO.
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- Wert, Dr. James E. Ph.D., Ohio State, 34. Prof. vocational education, Iowa State Col., Ames, Iowa. M40. QI.
- Wertham, Dr. Frederic. M.D., Würzburg, 21. Physician-in-chief, Mental Hygiene Clinic, Queens Gen. Hosp.; senior alienist, Dept. Hosps., Bellevue Hosp., New York, N. Y. (44 Gramercy Park) M34F34. IN.
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- Wharton, H. Jerome. Apartado 234, Maracaibo, Venezuela, S. A. M36R36. M.
- Whealdon, Prof. Albert D. State Teachers Col., Superior, Wis. M09R32. C.
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- Zimmermann, H(enry) D(aniel). 2410 Lakeview Ave., Richmond, Va. M28-R34. C.
- Zimmerschied, Miss Charlotte (Emma). A.M., Minnesota, 23. Asst. prof. physics and astronomy, Southern Illinois State Normal Univ., Carbondale, Ill. (808 S. Illinois Ave.) M28F40. BA.
- Zinberg, Dr. I. S. 2320 Eutaw Place, Baltimore, Md. M35R37. N.
- Zink, Frank J. 2424 N. 82nd St., Wauwatosa, Wis. M38. MO.
- Zinn, Donald J. M.S., Rhode Island State, 37. Lab. asst., Osborne Zoological Lab., Yale Univ., New Haven, Conn. (54 Riverside Drive, New York, N. Y.) M37. FG.
- Zinsser, Prof. Hans. A.M., M.D., Columbia, 03; Sc.D., Columbia, 29. Western Reserve, 31, Lehigh, 33, Yale, 39, Harvard, 39. Prof. bacteriology and immunology, Harvard Med. School; chief bacteriological service, Children's Hosp.; consulting bacteriologist, Peter Bent Brigham Hosp., Boston, Mass. M37. N.
- Zinszer, Prof. Harvey A(lfred). M.A., Lehigh, 24; Ph.D., Indiana, 26. Head physics and astronomy, Ft. Hayes Kansas State Col., Hays, Kans. (401 W. 12th St.) M32-F33. BDA.
- Zinszer, Dr. Richard (Howard). Ph.D., Indiana, 36. Asst. production engineer, Dept. Res., Union Oil Co., Wilmington, Calif. M38. BCA.
- Zintz, Miles V(ernon). B.A., Iowa State. Plano, Iowa. M40. QI.
- Zirbes, Miss Laura. M.A., Columbia, 26; Ph.D., 28. Prof. education, Ohio State Univ., Columbus, Ohio. M25F31. QI.
- Zirkle, Prof. Conway. M.S., Virginia, 21; Ph.D., Johns Hopkins, 25. Prof. botany, Univ. Pennsylvania, Philadelphia, Pa. M26F26. G.
- Zirkle, Prof. Raymond E(lliott). Ph.D., Missouri, 32. Asst. prof. biology, Bryn Mawr Col., Bryn Mawr; assoc. exp. radiology, Univ. Pennsylvania, Philadelphia, Pa. M37F38. NBG.
- Znaniacki, Dr. Florian (Witold). Ph.D., Cracow. Visiting prof. sociology, Univ. Illinois, Urbana, Ill. M40. K.
- Zobel, Carl G. F. 548 Elm Grove Road, Cold Water, N. Y. M34F34. BM.
- Zobel, Miss Henrietta L(ouise). 1420 S. Pearl St., Denver, Colo. M29F33R37. G.
- ZoBell, Dr. Claude E. M.S., Utah State, 29; Ph.D., California, 31. Asst. prof. marine microbiology, Scripps Inst. Oceanography, Univ. California, La Jolla, Calif. M34F34. NCG.
- Zoch, Richmond T(ucker). A.M., George Washington, 33. Cosmos Club, Washington, D. C. M25. B.
- Zoe, Sister (See Sister Zoe Schieswohl).
- Zoeller, E(dward) V(ictor). Phar.D., North Carolina, 23. Pharmacist, Tarboro, N. Car. M21. CKNp.
- Zoeller, Lee J(ohn). M32D37. NIH.
- Zoern, Joseph John. M.S., De Paul, 39. Teacher biology, Chicago Public High Schools, Chicago, Ill. (863 Newport Ave.) M38. FG.
- Zoethout, Dr. William D(owwes). Ph.D., Chicago, 99. Teacher physiology, Chicago Col. Dental Surgery, Chicago, Ill. (7115 W. 31st St., Berwyn, Ill.) M20F33. N.
- Zohman, Dr. Burton L. 7223 Ft. Hamilton Parkway, Brooklyn, N. Y. M36R38. N.
- Zollinger, Dr. Robert. Peter Bent Brigham Hosp., Boston, Mass. M33F33R35. N.
- Zon, Dr. Leo. M.D., Minnesota, 2958 Wyman Parkway, Baltimore, Md. M39. N.
- Zon, Raphael. F.E., Cornell, 01. Dir., U. S. Lake States Forest Exp. Sta., Univ. Minnesota, Univ. Farm, St. Paul, Minn. M14F18. GO.
- Zons, Dr. Frederick W(illiam). 239 Center St., New York, N. Y. M18F28R32. CBN.
- Zook, L(eslie) L(ewis). B.Sc., Nebraska, 07. Assoc. agronomist dryland agric., U. S. Dept. Agric.; supt., Exp. Substation, North Platte, Nebr. M11F24. OGE.
- Zook, Lester M. Route 5, Chambersburg, Pa. M31R32. OKQ.
- Zorichak, Joseph John. B.S., Pennsylvania State. Petroleum engineer, Stanolind Oil and Gas Co., Tulsa, Okla. (Talihina, Okla.) M38. MEC.
- Zorsch, Charles R. 1863 East Ave., Rochester, N. Y. M31R36. BCF.
- Zrike, Dr. Edward. Ph.D., New York, 34. Plant chemist, Hoffmann-LaRoche, Inc., Nutley, N. J. (9 Continental Ave., Belleville, N. J.) M35. CMN.
- Zscheile, Prof. F(rederick) P(aul, Jr.). Ph.D., California, 31. Asst. chemist and asst. prof. agric. chemistry, Dept. Agric. Chemistry, Purdue Univ., W. Lafayette, Ind. (600 Ridgewood Drive) M36F33. CGO.
- Zubin, Dr. Joseph. Ph.D., Columbia, 32. Assoc. res. psychologist, New York State Psychiatric Inst. and Hosp.; instr. psychiatry, Columbia Univ., New York, N. Y. (722 W. 168 St.) M34F38. IQ.
- Zucker, Dr. Morris. 1095 Park Ave., New York, N. Y. M34R37. N.
- Zucker, T(heodore) F(rederick). M.S., Illinois. 350 Cabrini Blvd., New York, N. Y. M37. CN.

Zuckerman, George. 99 Lafayette Ave. Brooklyn, N. Y. M39.

Zuckerman, H(erbert) G. 900 Mendocino Ave., Berkeley, Calif. M29F40. OG.

Zugsmith, Dr. Robert. D.D.S., Pittsburgh 03. 5619 Marlboro Road, Pittsburgh, Pa M32. Nd.

Zuill, Prof. Frances (Louise). M.A., Columbia, 21. Dir. home economics, Univ. Wisconsin, Madison, Wis. (146 N. Prospect Ave.) M34. NK.

Zukel, John W(illiam). M.S., Idaho, 39. Student, Iowa State Col., Ames, Iowa. (55 Fort St., Northampton, Mass.) M39. F.

Zuker, Dr. W(illiam) B(urdette). M.S., Chicago, 21; D.Sc., Dubuque, 34. Vice pres. and head Dept. Chemistry, Univ. Dubuque, Dubuque, Iowa. (525 N. Algona St.) M24F33. C.

Zundel, Dr. George L(orenzo Ingram). M.S.Agr., Cornell, 15; Ph.D., Yale, 29. Asst. prof. plant pathology extension, Pennsylvania State Col., State College, Pa. (616 Sunset Road) M17F21. G.

Zurcher, Esther R(osetta) (See Mrs. Edward G. Bayfield).

Zurcher, Dr. Paul. Chem.Eng., Zurich, 04; Ph.D., 05. Technologist, Continental Oil Co., Ponca City, Okla. M39. ABC.

Zurett, Miss Sophia. A.B., Syracuse. 44 Cross St., Hempstead, N. Y. M37. N.

Zwemer, Dr. R(aymund) L(ull). Ph.D., Yale, 26. Asst. prof. anatomy, Columbia Univ. Col. Physicians and Surgeons, New York, N. Y. (86 Surrey Lane, Tenafly, N. J.) M28F29. NFH.

Zwick, Dr. Karl G(eorge). Ph.D., Würzburg, 99; M.D., Cincinnati, 03. 3444 Cornell Place, Cincinnati, Ohio. M24F33. NCF.

Zwicky, Dr. Fritz. Dr.Sc.nat, Zurich. Assoc. prof. theoretical physics, California Inst. Tech., Pasadena, Calif. M36-F36. BD.

Zwillinger, Max. C.E., Vienna. Optical engineer, U. S. Navy Yard, Washington, D. C. (1020 Potomac Ave. SE.) M25F33. AB.

Zworykin, Dr. V(ladimir) K(osma). Ph.D., Pittsburgh, 26. Taunton Lakes, Marlton, N. J. M34F34. B.

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Alabama Polytechnic Inst. Library, Auburn M12.
Alabama State Dept. Archives and History, Montgomery. M23.

ARGENTINA

Museo Argentino De Ciencias Naturales, Buenos Aires M29R36
Sociedad Cientifica Argentina Library, Buenos Aires. M27.

ARIZONA

Univ. Arizona Library, Tucson M08.

ARKANSAS

Hendrix Col. Library, Conway. M25.

CALIFORNIA

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Fresno State Teachers Col., Fresno. M32.
Gen. Petroleum Corp. California Library, Los Angeles M27.
Los Angeles Mus., Los Angeles. M13.
Los Angeles Public Library, Los Angeles. M25.
Southwest Mus. Library, Los Angeles M37.
California Inst. Tech. Library, Pasadena. M14.
Porterville Union High School and Junior Col., Porterville. M28R37.
Edward S. Babcock and Sons, Riverside. M32.
Riverside Cement Co., Riverside. M27.
California State Library, Sacramento. M27.
San Diego Soc. Natural History, San Diego. M28.
San Francisco County Med. Soc. Library, San Francisco. M36.

CANADA

Ontario Agric. Col. Dept. Chemistry, Guelph, Ont. M37.
Ontario Agric. Col. Field Husbandry Dept., Guelph, Ont. M40
Univ. Western Ontario Library, London, Ont. M25.
Dept. Agric., Deputy Minister, Confederation Bldg., Ottawa, Ont. M38R38.
Experimental Farms, The Director, Ottawa, Ont. M23R37.
Dept. Mines and Resources, Dominion Forester, Ottawa, Ont. M35R37.
Dept. Mines and Resources, Geol. Survey Library, Victoria Memorial Mus.,
Ottawa, Ont. M22.
Experimental Farm, Dominion Horticulturist, Ottawa, Ont. M18R35.
Provincial Laboratory, The Director, Ste-Anne-de-la-Pocatiere, Que., M17.
Univ. Toronto Library, Toronto, Ont. M17.

CHINA

Univ. Nanking Library, Nanking. M24R37.
Peiping Union Med. Col. Library, Peiping. M22.

CONNECTICUT

Yale Univ. Library, New Haven. M36.

CZECHOSLOVAKIA

Private Library Pres. Masaryk, Praha. M39.

DELAWARE

Hercules Powder Co., Inc., Exp. Sta. Library, Wilmington. M35.
Wilmington Inst. Free Library, Wilmington. Mo2.

ENGLAND

Univ. Manchester Library, Manchester. M28.

FLORIDA

Free Public Library, Jacksonville. M33.

HUNGARY

Hungarian Nat. Observatory, Budapest. M28R32.

ILLINOIS

Chicago Acad. Sciences, Chicago. M22R38.
Field Mus. Natural History, Chicago. M25.
Science Digest, Inc., Managing Editor, 631 St. Clair St., Chicago. M37.
Univ. Chicago Libraries, Chicago. M23.
Northwestern Univ., Dept. Geology and Geography, Evanston. M24.
Open Court Publishing Co., La Salle. M22.
Univ. Illinois Library, Urbana. Mo9R35.

INDIANA

Indiana State Library, Indianapolis. Mo8.

IOWA

Iowa State Teachers Col. Library, Cedar Falls. Mo7.
Public Library, Cedar Rapids. M13.
Davenport Public Mus., Davenport. M40.
Univ. Iowa Library, Iowa City. Mo4.

IRELAND

Trinity Col. Library, Dublin. M25.

ITALY

Societa Edison, Foro Bonaparte 31, Milan. M27.

KANSAS

Univ. Kansas Library, Lawrence. M28.
Kansas State Col., Veterinary Alumni Reading Room, Manhattan. M40.
Ottawa Univ. Library, Ottawa. M11.

KENTUCKY

Univ. Kentucky Library, Lexington. M14.
Eastern Kentucky State Teachers Col. Library, Richmond. M32.

LOUISIANA

Dillard Univ. Library, New Orleans. M37.
Howard Memorial Library, New Orleans. Mo4R38.

MARYLAND

Enoch Pratt Free Library, Baltimore. Mo7.
Johns Hopkins Science Club, Baltimore. M37.
Johns Hopkins Univ. Library, Baltimore. M18.

MASSACHUSETTS

Converse Memorial Library, Amherst Col., Amherst. M25.
Boston Univ. Col. Liberal Arts Library, Boston. M27.
Simmons Col. Library, Boston. M28.
Nantucket Maria Mitchell Assn., Maria Mitchell Observatory, Nantucket. Mo6.
Mt. Holyoke Col. Library, South Hadley. Mo7.
Clark Univ. Library, Worcester. M25.

MICHIGAN

Univ. Michigan Gen. Library, Ann Arbor. M25.
Detroit Public Library, Detroit. M25.
Royal Oak Public Library, Royal Oak. M29.
Michigan State Normal Col. Library, Ypsilanti. Mo9.

MINNESOTA

Hennepin County Med. Soc., Minneapolis. M31.
St. Olaf Col. Library, Northfield. Mo2.
Univ. Minnesota Dept. Agric. Library, Univ. Farm, St. Paul. Mo9.
J. R. Watkins Co. Chem. Lab., Winona. M27.

MISSOURI

Univ. Missouri Library, Columbia. M17.
Univ. Missouri School Mines and Metallurgy Library, Rolla. M27.
St. Louis Public Library, St. Louis. M12.

NEBRASKA

Univ. Nebraska Library, Lincoln. Mo2.

NEW HAMPSHIRE

Hamilton Smith Library, Univ. New Hampshire, Durham. M23.

NEW JERSEY

Free Public Library, Jersey City. M18.
Citro Chem. Co., Maywood. M39.
Princeton Univ. Library, Princeton. M25.

NEW YORK

New York State Library, Albany. L10.
Pratt Inst. Free Library, Brooklyn. Mo2.
E. R. Squibb and Sons Library, Brooklyn. M29.
Buffalo Public Library, Buffalo. M23.
Buffalo Soc. Natural Sciences Res. Library, Buffalo. M28.
E. I. du Pont de Nemours and Co., Rayon Dept., Buffalo. M31R38.

NEW YORK—CONTINUED

Colgate Univ. Library, Hamilton. M11.
Queens Borough Public Library, Jamaica. M29.
Amer. Geographical Soc. Library, New York. Mo6.
Amer. Mus. Natural History, New York. M26.
Calhoun School, New York. M29.
Columbia Univ. Library, New York. M18.
Fordham Univ. Col. Pharmacy, New York. M40.
New York Public Library, New York. M18.
New York Univ. Library, University Heights, New York. Mo8.
New York Univ. Washington Square Library, New York. M24.
Reinhold Publishing Corp., Chem. Engng. Catalog, New York. M23.
Vassar Col. Library, Poughkeepsie. M18
S. S. White Dental Mfg. Co., Staten Island. M22.

OHIO

Public Library Cincinnati, Cincinnati. Mo3.
Cleveland Public Library, Cleveland. M26.
Ohio State Univ. Library, Columbus. Mo4.
Albert Emanuel Library, Univ. Dayton, Dayton. M28.
Col. Wooster Library, Wooster. M29.

OREGON

Univ. Oregon Library, Eugene. Mo8.

PENNSYLVANIA

Marble Lab., Inc., Canton. M22R32.
Lafayette Col. Library, Easton. M18
Pennsylvania Dept. Agric., Bur. Plant Industry, Harrisburg. Mo4.
Amer. Philosophical Soc. Library, Philadelphia. M18.
Drexel Inst. Tech., Philadelphia. M14
Free Library Philadelphia, Philadelphia. Mo2.
Carnegie Inst. Tech., Social Relations Dept., Pittsburgh. M40.
H. J. Heinz Co., Quality Control Dept., Pittsburgh. M19.

RHODE ISLAND

Brown Univ. Library, Providence. M22.

SWEDEN

Ingeniorsvetenskapsakademien, Biblioteket, Stockholm. M24.

TENNESSEE

George Peabody Col. Teachers Library, Nashville. M33.

TEXAS

West Texas State Teachers Col. Library, Canyon. M33.
El Paso Library, El Paso. M20.
Rosenberg Library, Galveston. M38.

UTAH

Univ. Utah Library, Salt Lake City. M25.

VENEZUELA

Estacion Experimental de Agricultura y Zootecnia, El Valle. M40.

VERMONT

Univ. Vermont Library, Burlington. M25.

VIRGINIA

Virginia Polytechnic Inst. Library, Blacksburg. M24.
Virginia Military Inst., Dept. Mathematics, Lexington. M31R33.
Mary Helen Cochran Library, Sweet Briar Col., Sweet Briar. M29.

WASHINGTON

Adams Branch Exp. Sta. Library, Lind. M39.
Univ. Washington Library, Seattle. M05.
Col. Puget Sound Library, Tacoma. M40.

WISCONSIN

Milwaukee Public Mus., Milwaukee. M17R32.

WYOMING

Univ. Wyoming Library, Laramie. M29.

GEOGRAPHICAL INDEX OF MEMBERS AND THEIR ENROLMENT IN SECTIONS UNITED STATES AND POSSESSIONS

ALABAMA

Athens	Birmingham, Cont'd.	Livingston	Tuskegee
Renich, Mary E. ....G	Posey, L. C. ....N	Spieth, Miss A. M. ...G	Barker, P. P. ....NIK
Auburn	Prodoehl, Austin ....L	Marion	Branche, G. C. ....N
Allison, Fred ....BD	Reynolds, J. P. ....F	Barnes, G. F. ....B	Johnson, S. O. ....NIK
Boughton, D. C. ....FN	Tower, J. A. ....EKO	Wood, T. A. ....FB	Smith, A. P., Jr. ....N
Cotton, W. F. ....N	Whiting, W. A. ....FG	Montevallo	Tuskegee Institute
Cureton, E. E. ....IO	Wilcox, H. E. ....CBQ	Black, Mrs. H. J. ....FN	Henry, W. E. ....CBA
Engel, Ruben W. CNO	Xan, John ....C	Blazek, Miss M. ....NCQ	Union Springs
Funchess, M. J. ....O	Citronelle	Decker, Mary G. ....C	Hutchings, W. H. ....N
Hixon, Charles R. ....M	McDonald, M. B. .CGO	Napier, T. H. ....Q	University
Johnstone, F. E., Jr. GO	Decatur	Sharp, C. G. ....G	Andrews, T. G. ....EMH
Jones, H. D. ....CN	Miller, L. F. ....FGC	Vickery, Katherine ..I	Archer, Allan F. ....F
Macormac, A. R. CQM	Tarzwil, C. M. ....F	Montgomery	Breckenridge, C. G. .F
Reuszer, H. W. .OGC	Fairfield	Boud, Frank L. ....M	Carlson, J. G. ....F
Robinson, J. M. ....F	Jones, W. C. ....FN	Emigh, E. D. ....B	Carmichael, E. B. .NC
Salmon, W. D. ....OCN	Troje, O. R. ....BN	Heath, Harry C. ....G	Christianson, O. O. NCD
Shrader, G. A. ....NC	Walsh, Groesbeck .N	Johnson, H. N. ....N	Coghill, W. H. ....M
Simms, B. T. ....N	Florida	Jones, W. B. ....E	Graham, J. Y. ....F
Sommer, Miss A. L. .OCG	Florence	Leach, C. N. ....N	Graves, Stuart ....N
Starr, L. E. ....F	Floyd, H. H. ....CFG	VanDyke, H. L. ....C	Harper, R. M. ....EGK
Sturkie, Paul D. .FGN	Rutledge, R. W. .GFE	Sheffield	Keller, A. D. ....NpC
Taylor, R. W. ....O	Gadsden	Frear, G. L. ....C	Lang, George ....A
Wilmore, J. J. ....M	Cory, Mark D. ....BC	Spring Hill	Lewis, Fred A. ....A
Birmingham	Jacksonville	Deignan, J. V. ....C	Lindsay, J. A. ....Q
Abercrombie, W. F. FN	Allison, J. W. ....I	English, L. L. ....FC	McLure, J. R. ....O
Ayrs, O. L. ....O	Arnold, Paul J. .FCF	Westland, A. J. ....B	Moore, H. W. ....MOB
Bales, Paul ....B	Glazner, J. F. ....E	Yancey, P. H. ....FGN	Ott, W. P. ....ADM
Bliss, A. R., Jr. .CGNp	Weishaupt, C. G. .GFC	Talladega	Palmer, G. D., Jr. ....C
Brakefield, J. L. ....FN	Wood, C. R. ....A	Hayden, J. R. E. .FNG	Peoples, S. A. ....Np
Clark, B. F. ....CNM	Jasper	O'Hara, L. P., Sr. ....F	Senderling, E. W. ....IO
Coulliette, J. H. ....B	Freed, Richard ....EM	Troy	Smith, S. C. ....F
Dunning, A. B. ....MOB	Douglas	Farmer, C. M. ....IO	Tidwell, R. E. ....QIK
Graham, G. S. ....N	Bonnett, Alfred .MED	Parson, R. L. ....EQK	Wooten, B. A. ....B
Grover, M. A. ....BDE	Fairbanks	Tuscaloosa	Wilson Dam
Hargis, E. H. ....N	Peuignet, A. A. .MEB	Gran, J. E. ....C	Aldred, J. W. H. ....C
Helmlach, D. A. ....MKE	Schaad, V. W. ....ABI	Walker, J. H. ....FN	Hinman, E. H. ....FNG
Hess, G. W. ....AD	Flagstaff, Cont'd.	Funter	Hurlbut, H. S. ....FNO
Jones, E. V. ....CBM	Benton, T. B., Jr. ....D	Pekovich, W. S. ....M	Fole, G. R. ....MCE
Littlejohn, Wilmot .N	Brady, Lionel F. ....EH	Juneau	Palmer
McLester, J. S. ....N	Colton, H. S. ....EFH	Anderson, J. P. ....GO	Hanson, H. C. ....GO
	Hablutzel, C. E., Jr. BCA	Palmer, L. J. ....O	Valdez
	Lampland, C. E. ....DBA	Roehm, John C. ....EMI	Magnuson, Oscar .EIL
	McGregor, J. C. ....HE		Wilcox, John R. ....M
	Sipher, V. M. ....DBE		
	Tombaugh, C. W. DEB		
	Whiting, A. F.HG		

ALASKA

Anchorage	Douglas	Funter	Palmer
Geehan, R. W. ....EM	Bonnett, Alfred .MED	Pekovich, W. S. ....M	Hanson, H. C. ....GO
College	Fairbanks	Juneau	Valdez
Bramhall, E. H. ....BDC	Peuignet, A. A. .MEB	Anderson, J. P. ....GO	Magnuson, Oscar .EIL
Geist, O. W. ....HFE	Schaad, V. W. ....ABI	Palmer, L. J. ....O	Wilcox, John R. ....M
Rainey, Froelich .HK		Roehm, John C. ....EMI	
Tucker, Ruth E.NCQ			

ARIZONA

Camp Verde	Flagstaff, Cont'd.	Glendale	Mesa
Dryer, Ralph G. ....N	Benton, T. B., Jr. ....D	Heywang, B. W. ....O	Stahnke, Herbert .FQ
Douglas	Brady, Lionel F. ....EH	Globe	Patagonia
Jones, W. W. ....FGO	Colton, H. S. ....EFH	Antevs, Ernst .....E	Lee, C. A. ....EM
Flagstaff	Hablutzel, C. E., Jr. BCA	Grand Canyon	Phoenix
Allen, Agnes M. .EHK	Lampland, C. E. ....DBA	Bryant, H. C. ....FGQ	Charvoz, E. R. ....N
Bartlett, K. ....HE	McGregor, J. C. ....HE	Keams Canyon	Ervard, J. M. ....FCO
	Sipher, V. M. ....DBE	Berry, W. H. ....MOK	Flagg, A. L. ....EM
	Tombaugh, C. W. DEB	Keller, John G. ....FG	
	Whiting, A. F.HG		

Phoenix, Cont'd.

Greening, G.K. ... BD
 Halseth, Odd S. ... HK
 Hoff, Amos H. ... DB
 Knight, Alfred ... DHE
 Palmer, E.F. ... N
 Phelps, A.L. ... CON
 Stone, Donald F. ... B
 Wallingford, V.O. ... D
 Watkins, W.W. ... N

Sacaton

King, Chalmers J. ... GOC
 Presley, John T. ... GF

Superior

Gibson, Frederick ... GO

Tempe

Bateman, Geo.M. ... C
 Irish, F.M. ... C
 Judd, B. Ira ... OG
 Skinner, H. Clay ... IQ
 Wildermuth, V.L. ... F

Tucson

Anderson, Ernest ... C
 Atkinson, Alfred ... O
 Bennett, Paul H. ... NdK
 Boldyreff, A.W. ... ACB
 Brown, J.G. ... GO
 Bryant, Owen ... FN
 Buchner, Theo.F. ... CO
 Burgess, P.S. ... OGC
 Butler, Bert S. ... E
 Butler, G.M. ... EM
 Caldwell, G.T. ... F
 Canfield, Roy H. ... G
 Carpenter, E.F. ... DB
 Cooper, C.K. ... FGM
 Crooks, D.M. ... GFE
 Cunningham, J.B. ... MK
 Darrow, R.A. ... G
 dela Torre-Bueno, J.R. ... FEC
 Douglass, A.E. ... DBG
 Gabel, N.E. ... HKF
 Gavan, Jas.A. ... H
 Graesser, R.F. ... A

Tucson, Cont'd.

Greene, R.A. ... N
 Hale, Thomas ... LLI
 Haury, Emil W. ... HE
 Hawkins, R.S. ... GO
 Heineman, R.E.S. ... EMC
 Hemenway, A.F. ... G
 Jackson, L.L. ... AQ
 Keyes, Charles ... E
 Lawther, M.G. ... HE
 Leonard, H.B. ... AMO
 Little, E.L., Jr. ... GF
 McGeorge, W.T. ... G
 McGinnies, Wm G. ... GO
 Mallory, T.D. ... G
 Martin, W.E. ... E
 Mathewson, E.P. ... KMQ
 Mewborn, A.B. ... ABD
 Miller, Carl F. ... H
 Monson, Gale ... FG
 Morrison, R.B. ... EMH
 Nichols, E.T., III ... HED
 Nugent, R.L. ... C
 Otis, Miss Louise ... C

Tucson, Cont'd

Pearson, G.A. ... FGO
 Schulman, E. ... DGB
 Shreve, Mrs. E.B. ... GQ
 Shreve, Forrest ... G
 Smith, G.E.P. ... M
 Smith, M.C. ... NCO
 Stoyanow, A.A. ... E
 Streets, R.H. ... GO
 Vinson, A.E. ... CO
 Vorhies, C.T. ... F
 Wehrle, L.P. ... F
 Wyatt, B.L. ... N

Whiteriver

Cummings, Byron ... HQ

Window Rock

Kimball, S.T. ... HK
 Phillips, Paul ... F
 Province, J.H. ... HKO

ARKANSAS**Batesville**

Lewis, J.F. ... CBA

Clarksville

Beach, I.T. ... C
 Jenness, J.R. ... B
 Smith, T.L. ... FE

Conway

Lawson, Marvin ... OEG
 Spessard, Earle ... FG
 Wilton, Christine ... GFC

Fayetteville

Batley, Z.C. ... CN
 Causey, David ... FN
 Comfort, E.G.H. ... ADB
 Cooper, J.R. ... GO
 Dellinger, S.C. ... HF
 Drake, N.F. ... EMO
 Dunegan, J.C. ... G

Fayetteville, Cont'd.

Gifford, Warren ... O
 Giles, A.W. ... E
 Hale, Harrison ... C
 Ham, Lloyd B. ... BAC
 Hannah, P.D. ... M
 Humphrey, L.M. ... OG
 Miller, Albert ... FO
 Moore, Dwight M. ... GC
 Nelson, Martin ... OGE
 Nielsen, Etta L. ... G
 Porter, Lyman E. ... C
 Price, Leonard C. ... MBC
 Reynolds, H. ... NO
 Rosen, H.R. ... G
 Sleight, V.G. ... E
 Tansey, V.O. ... E
 Wertheim, E. ... C
 Young, Vive Hall ... G

Fort Smith

Gemmer, E.W. ... GOF

Hot Springs

National Park
 Gibbs, M.D. ... Nd
 Haunz, C.F. ... C
 Lix, Henry W. ... EFG

Jonesboro

Nedrow, Warren ... GF
 Patty, John R. ... B
 Showalter, D.F. ... IQ

Little Rock

Branner, G.C. ... MBE
 Gregory, Raymond ... CN
 Langston, W.C. ... N
 Larson, John A. ... O
 Pape, Miss M.E. ... FG
 Rau, William M. ... EMF
 Shukers, C.F. ... NC
 Skinner, Cyrus A. ... H
 Snodgrass, L.K. ... Np
 Wahlm, J.G. ... NG

Magnolia

Grubb, Carl F. ... EFD
 Munn, W.C. ... GF

Monticello

Roberts, L.B. ... CEB

Mena

Hawes, Mrs. M.K. ... BA
 Hawes, Norman E. ... OG

Pine Bluff

Hazzard, J.W., Jr. ... FG

Russellville

Henbest, O.J. ... EG

Siloam Springs

Wills, Irvin A. ... FNG

State College

Robey, Ashley ... CN

Stuttgart

Adair, C. Roy ... OG

CALIFORNIA**Alameda**

Degen, Otto W. ... MKL
 Kaster, H.B. ... B

Albany

Blish, M.J. ... CO

Alcatraz

McFadden, J.H. ... M

Alhambra

Barton, E.W. ... N
 Boyden, J.R. ... F
 Campbell, Roy E. ... FG
 Stone, R.V. ... NCF
 Whitman, N.D., Jr. ... ME

Altadena

Briggs, Mrs. J.E. Jr. ...
 Camac, C.N.B. ... NL
 DuMont, J.W.M. ... B
 James, Harry C. ... FHO
 Lofstedt, Miss C. ... HK
 Mundy, Miss E.B. ... QGN
 Nicholson, Seth B. ... D
 Peirson, Miss M.B. ...
 Popenoe, Paul. ... FKI
 Ramsey, H.J. ... O

Altadena, Cont'd.

Richards, G.L., Jr. ... EMC
 Van Amringe, E.V. ... ECO
 Wheeler, E.B. ... B

Anaheim

Myers, Mabel A. ... EF
 Wolf, Carl B. ... G

Angwin

Hoer, R.E. ... CEF

Arcadia

Ray, David H. ... MBC

Arcata

Hunt, V.L. ... Nd

Bakersfield

Graham, Miss E. ... GFN
 Haskell, N.A. ... EB
 Hill, M.L. ... E
 May, A.R. ... EFM
 Miller, C.G. ... BCA
 Thomas, N.L. ... E
 Woodworth, H.E. ... F

Balboa Island

Brackett, F.P. ... DBA

Bartlett

Dub, G.D. ... MCE

Berkeley

Adams, Frank ... EOK
 Adams, R.L. ... O
 Adelson, D.E. ... CB
 Aitken, R.G. ... DA
 Aitken, Thomas ... FN
 Allen, Ruth F. ... G
 Alsherg, Carl ... KCO
 Arnon, D.I. ... GCO
 Babcock, E.B. ... GFO
 Bailey, Edna W. ... OFI
 Barrett, J.T. ... GO
 Beck, Sister Mary ...
 Cleophas ... RCA
 Bennett, J.F. ... GOC
 Berkefeld, P.C. ... MP
 Bernstein, B.A. ... AID
 Birge, R.T. ... B
 Blasdale, W.C. ... C
 Bodman, G.B. ... OBC
 Boelter, Miss M. ... FFC
 Bonar, Lee ... G

Berkeley, Cont'd.

Bowerman, Miss M.L. ... G
 Boynton, W.H. ... N
 Branch, G.E.K. ... C
 Bray, W.C. ... C
 Brode, M.D. ... FG
 Brode, R.B. ... B
 Brooks, S.C. ... FGN
 Brown, H.E. ... F
 Brown, J.G. ... B
 Brown, Warner ... I
 Bruman, H.J. ... EH
 Bryan, Edith S. ... IKN
 Bryant, M.D. ... FGO
 Buckingham, F.A. ... KMP
 Bush, Miss Mildred ... F
 Byck, Harold T. ... BCM
 Cameron, D.R. ... G
 Camp, Chas. L. ... F
 Campbell, A.S. ... FGN
 Carlson, A.J. ... MCA
 Carter, Miss F. ... FN
 Castle, William E. ... F
 Chaikoff, I.L. ... N
 Chaney, R.W. ... EG
 Cherry, F.H. ... M

Berkeley, Cont'd.

Clark, B.L. EFG
 Clausen, Roy E. GO
 Cleveland, T.K. BCM
 Cockrell, R.A. GCB
 Conrad, H.S. IQK
 Cooksey, Donald B
 Cooper, W.W. KM
 Corbett, L.J. MBD
 Craig, Roderick NCF
 Crannell, C.W. IFH
 Crawford, R.T. DAB
 Cruess, W.V. OCE
 Daniel, J. Frank F
 Danner, Philip S. C
 Davis, A.R. G
 Davis, R.E. M
 Dore, W.H. CG
 Duschak, L.H. MC
 Eakin, R.M. FN
 Eaton, C.B. FO
 Edmunds, H.M.W. BDK
 Einarsson, Sturla D
 Ellis, Ralph FG
 Ellsworth, J.K. OFN
 Emerson, G.A. NC
 Essig, Edward O. F
 Evans, Griffith C. AKB
 Fisher, Miss E.M. FHL
 Fligelman, Miss F. KHI
 Foster, A.S. G
 Foster, A.L. ABD
 Fox, Sidney W. CNT
 Foxworthy, F.W. G
 Freeborn, S.B. G
 Freitag, J.H. FG
 Frost, Miss F.M. N
 Fuller, L.F. MBO
 Garber, Miss Lida J. EG
 Gardner, Max W. G
 Gericke, W.F. CGO
 Gicelli, E.E. I
 Gifford, E.W. H
 Givens, J.W. CB
 Goldschmidt, R. F
 Goodspeed, T.H. G
 Gray, Harold F. MN
 Greenberg, D.M. CN
 Haley, George FE
 Hall, E. Raymond FE
 Hall, Ralph C. OFG
 Hansen, H.N. OGF
 Haring, C.M. NO
 Hase, A.A. OFG
 Herms, W.F. F
 Hersam, E.A. B
 Hibbard, P.L. CO
 Hildebrand, Joel H. G
 Hill, Cary LeRoy GO
 Hoagland, D.R. GOC
 Hohl, L.A. GO
 Holmes, Benjamin C
 Holmes, Jerome K. C
 Holmes, S.J. F
 Horn, E.E. FCN
 Hoskins, W.M. CFN
 Hulcin, C.D. E
 Hutchison, C.B. GO
 Hyde, T.R. B
 Jacobus, L.R. NTK
 Jenkins, J.A. FG
 Jenny, Hans O
 Jepson, Willis L. G
 Jones, H.E. IQ
 Joslyn, M.A. I
 Katzin, Leonard I. FNG
 Kelley, T.F. FN
 Kelley, W.P. CO
 Kester, E.B. CM
 Keys, Noel QI
 Kirby, Harold, Jr. F
 Kirk, Paul L. CNF

Berkeley, Cont'd.

Kittredge, J. Jr. OG
 Kodani, Masuo F
 Koford, C.A. FLN
 Kotok, E.I. OM
 Kraebel, C.J. GOM
 Krueger, A.L. H
 Krueger, A.P. N
 Kunsman, C.H. BCA
 Kyte, George C. Q
 Lachman, Arthur C
 Lamiman, John F. F
 Langille, H.B. M
 Lapham, M.H. EOG
 Latimer, W.M. CB
 Laton, Anita D. QI
 Lawrence, E.O. B
 Lawrence, J.H. N
 Lawson, A.C. E
 Lazar, Arthur CNM
 Legge, Robert T. N
 Leighly, John B. E
 Lerner, I. Michael F
 Leuschner, A.O. DAB
 Lewis, G.N. BC
 Li, Choh-Hao CNB
 Light, S.F. F
 Lightbody, H.D. CN
 Lineweaver, H. CON
 Linsley, E.G. FO
 Lipman, C.B. CEG
 Loeb, E.M. HK
 Loeb, L.B. B
 Long, J.A. F
 Long, Miss M.E. F
 Loundebach, Geo. D. E
 Lovett, Hobart M. D
 Lowie, Robert H. II
 Lucia, E.L. N
 Luten, D.B. Jr. CFE
 McCown, T.D. II
 Macfarlane, J.W. I
 McGowan, D.C. CBO
 Mackay, D.S. KLO
 Mackie, W.W. O
 Mackinney, G. G
 Manning, P.D.V. CM
 Marshak, Alfred FGN
 Marshall, L.C. BMO
 Martin, J.C. CG
 Marx, Walter C
 Mathias, Miss M.E. G
 Mendonca, A.H. CO
 Meyer, Wm. F. DB
 Michelbacher, A.E. GO
 Miller, A.H. F
 Miller, John M. F
 Minor, R.S. NO
 Mitchell, James F. B
 Montemoso, J. C. GCO
 Moody, Mrs. A.C. FHK
 Moody, R.O. NFO
 Morgan, Mrs. A.F. CN
 Morgan, W.S. IQK
 Morris, B.J. KOI
 Mowbray, A.H. KA
 Mulford, Walter O
 Nachtrieb, H.F. F
 Noble, C.A. A
 Nutter, E.H. MEO
 Offord, H.R. FG
 Ogden, Eric N
 Okey, Miss Ruth N
 Olmsted, J.M.D. FN
 Olson, A.R. CB
 Olson, Ronald L. B
 Page, Lorraine B
 Perry, Miss E.P. OEC
 Pettitt, George A. H
 Pomeroy, W.C. BMC
 Putnam, T.M. A
 Quick, C.R. GC
 Raber, B.F. MBC
 Randall, Merle CB

Berkeley, Cont'd.

Rawlins, T.E. G
 Ray, Robert D. Ndf
 Read, H.S. G
 Reukema, Lester E. M
 Ritter, W.E. FOI
 Rollefson, G.K. CB
 Ruben, Samuel CBG
 Sampson, A.W. G
 Schiff, L.I. B
 Schoonover, W.R. OGC
 Scott, C. Emilen G
 Seaborg, Glenn T. CB
 Seidenspinner, E. CGO
 Setchell, W.A. G
 Shane, C.D. DBA
 Sheldon, Mrs. F.M. DEF
 Shock, N.W. INC
 Smith, Miss M. NF
 Smith, Miss N. EFG
 Smith, R.E. G
 Smyth, W.H. G
 Snyder, W.C. OGC
 Stebbins, L.W. K
 Stilwell, W.H. D
 Stockwell, Palmer GE
 Stoddard, K.B. BN
 Strait, L.A. BA
 Talbot, M.W. GOF
 Taylor, Lewis W. FG
 Test, Frederick H. OF
 Thomas, H.E. G
 Thomas, Harold E. G
 Thompson, C.G. BM
 Tolman, E.C. IHF
 Tompkins, P.T. ABC
 Torrey, H.B. FNI
 Tufts, James H. I
 Tufts, M.C. QI
 Ulrich, Albert OGC
 Van Atta, G.R. CPM
 Van Dyke, E.C. F
 Villee, Claude, Jr. FNI
 Vlamis, James GOF
 Wallace, A.M. GOF
 Walsh, O.S. GOF
 Wampler, J.C. HLE
 Warren, Jean KO
 Weber, Adolph H. CB
 Weinberg, Fred B
 Weir, Walter W. MO
 Wernecke, L. EM
 Williams, A.R. EM
 Wissner, Edward H. EM
 Wong, Bing Chin A
 Woods, B.M. MBA
 Woodworth, C.W. F
 Yarwood, Cecil G
 Zuckerman, H.G. OG

Beverly Hills
 Collins, D.C. NFH
 Detrick, L.E. NC
 Holter, N.J. BCI
 Prout, J.W. Jr. AEM
 Trieb, Carl E. IQ

Bodega
 Laton, Burle C. BAC

Burbank
 Harsh, S.A. DBC

Burlingame
 Crocker, Mrs. W.H.
 Davies, N.A. MCP
 Pomeroy, G.A. B
 Smyth, F.S. N
 Ulrich, P. EMB
 Wilson, C.W. F

Camarillo
 Allen, Miss E.C. NFC

Carlsbad

Rayner, E.A. IFH

Carmel
 Burnett, T.C. N
 Haasis, F.W. GOE
 Kellogg, L.O. ME
 Lachmund, H.G. G
 Lloyd, F.E. G
 MacDougal, D.T. G

Chico
 Benedict, H.C. CN
 Holt, Miss Vesta AB
 Iloff, Philip M. AB
 Meigs, P. III EHK

Claremont
 Dart, Mrs D.C. F
 Durward, Arthur B
 Ellis, R.S. IQ
 Eyre, Miss M.B. IHN
 Hilton, William A. F
 Howell, David H. EHD
 Hunter, G.W. QNF
 Kennard, T.G. CBE
 Kirk, William KHI
 Leighton, W.G. CBO
 Mason, Molly I
 Manz, Philip A. G
 Pattee, H.H. IQN
 Robinson, Chas. J. C
 Ross, Luther S. F
 Smith, Isabel F. E
 Stoughton, A.V. N
 Tilestone, R.R. BDA
 Woodford, A.O. E
 Young, Anne E. D

Coalinga
 Cox, J. Emit IG
 Smith, Miss E.L. BHK

Colfax
 Peers, R.A. N

Colton
 Rich, Miss M.E. K

Compton
 Oakeshott, G.B. E

Corona
 Bryant, E.F. CEN
 Burman, O.K. CE
 Joseph, G.H. CO
 Newcomb, D.A. OCG
 Wilson, C.W. CMP

Coronado
 Crosby, W.W. MQI
 Wood, C.A. N
 Wright, J.C. M

Culver City
 Aillard, R.P. C
 Holman, W.H. E

Daly City
 Farbar, Leonard MCB

Davis
 Amerine, M.A. GO
 Asmundson, V.S. OF
 Bransford, J.S. OG
 Briggs, Fred N. GO
 Brooks, F.A. M
 Cameron, Hugh S. N
 Cole, H.H. NOF
 Crafts, Aiden S. GO
 Davey, A.E. G
 Day, Leonard H. GOF
 Dietrich, W.C. CBI
 Emlen, John T., Jr. F

Phoenix, Cont'd.

Greening, G.K. BD
 Halseth, Odd S. HK
 Hoff, Amos H. DB
 Knight, Alfred DHE
 Palmer, E.P. N
 Phelps, A.L. CQN
 Stone, Donald F. B
 Wallingford, V.O. D
 Watkins, W.W. N

Sacaton

King, Chalmers J. GOC
 Presley, John T. GF

Superior

Gibson, Frederick GO

Tempe

Bateman, Geo. M. C
 Irish, F.M. QO
 Judd, B. Ira OG
 Skinner, H. Clay IO
 Wildermuth, V.L. F

Tucson

Anderson, Ernest C
 Atkinson, Alfred O
 Bennett, Paul H. NdK
 Boldyreff, A.W. ACB
 Brown, J.G. GO
 Bryant, Owen FN
 Buehrer, Theo. F. CO
 Burgess, P.S. OGC
 Butler, Bert S. E
 Butler, G.M. EM
 Caldwell, G.T. F
 Canfield, Roy H. G
 Carpenter, E.F. DB
 Cooperrider, C.K. FGM
 Crooks, D.M. GFE
 Cunningham, J.B. MK
 Darrow, R.A. G
 dela Torre-Bueno, J.R. FEC
 Douglass, A.E. DBG
 Gabel, N.E. HKF
 Gavan, Jas. A. H
 Graesser, R.F. A

Tucson, Cont'd.

Greene, R.A. N
 Hale, Thomas LH
 Haury, Emil W. HE
 Hawkins, R.S. GO
 Heineman, R.E.S. EMC
 Hemenway, A.F. G
 Jackson, L.L. AQ
 Keyes, Charles E
 Lawther, M.G. HE
 Leonard, H.B. AMO
 Little, E.L., Jr. GF
 McGeorge, W.T. G
 McGinnies, Wm. G. GO
 Mallery, T.D. G
 Martin, W.E. O
 Mathewson, E.P. KMO
 Mewborn, A.B. ABD
 Miller, Carl F. H
 Monson, Gale FG
 Morrison, R.B. EMH
 Nichols, E.T., III HED
 Nugent, R.L. C
 Otis, Miss Louise C

Tucson, Cont'd

Pearson, G.A. FGO
 Schulman, E. DGB
 Shreve, Mis. E.B. GQ
 Shreve, Forrest G
 Smith, G.E.P. M
 Smith, M.C. NCO
 Stoyanow, A.A. E
 Streets, R.B. GO
 Vinson, A.E. CO
 Vorhies, C.T. F
 Wehle, L.P. F
 Wyatt, B.L. N

Whiteriver

Cummings, Byron HQ

Window Rock

Kimball, S.T. HK
 Phillips, Paul F
 Provinse, J.H. IIO

ARKANSAS**Batesville**

Lewis, J.F. CBA

Clarksville

Beach, J.T. C
 Jenness, J.R. B
 Smith, T.L. FE

Conway

Lawson, Marvin OEG
 Spessard, Earle FG
 Wilton, Christine GFC

Fayetteville

Batvey, Z.C. CN
 Causey, David FN
 Comfort, E.G.H. ADB
 Cooper, J.R. GO
 Dellinger, S.C. HF
 Drake, N.F. EMO
 Dunegan, J.C. G

Fayetteville, Cont'd.

Gifford, Warren O
 Giles, A.W. E
 Hale, Harrison C
 Ham, Lloyd B. BAC
 Hannah, P.D. M
 Humphrey, L.M. OG
 Miller, Albert FO
 Moore, Dwight M. GC
 Nelson, Martin OGE
 Nielsen, Ethel R. G
 Porter, Lyman E. C
 Price, Leonard C. MBC
 Reynolds, H. CNO
 Rosen, H.R. G
 Sleight, V.G. E
 Tansey, V.O. E
 Wertheim, E. C
 Young, Vive Hall G

Fort Smith

Genmer, E.W. GOF

Hot Springs**National Park**

Gibbs, M.D. Nd
 Haunz, C.F. C
 Lix, Henry W. EFG

Jonesboro

Nedlow, Warren GF
 Patty, John R. B
 Showalter, D.F. IO

Little Rock

Branner, G.C. MBE
 Gregory, Raymond CN
 Langston, W.C. N
 Larson, John A. O
 Pape, Miss M.E. FG
 Rau, William M. EMP
 Shukers, C.F. NC
 Skinner, Cyrus A. H
 Snodgrass, L.K. Np
 Wahlin, J.G. NG

Magnolia

Grubb, Carl F. EFD
 Munn, W.C. GF

Monticello

Roberts, L.B. CEB

Mena

Hawes, Mrs. M.K. BA
 Hawes, Norman E. OG

Pine Bluff

Hazzard, J.W., Jr. FG

Russellville

Henbest, O.J. EG

Siloam Springs

Wills, Irvin A. FNG

State College

Robey, Ashley CN

Stuttgart

Adair, C. Roy OG

CALIFORNIA**Alameda**

Degen, Otto W. MKL
 Kaster, H.B. B

Albany

Blish, M.J. CO

Alcatraz

McFadden, J.H. M

Alhambra

Barton, E.W. N
 Boyden, J.R. F
 Campbell, Roy E. FG
 Stone, R.V. NCF
 Whitman, N.D., Jr. ME

Altadena

Briggs, Mrs. J.E., Jr.
 Camac, C.N.B. NL
 DuMont, J.W.M. B
 James, Harry C. FHO
 Lofstedt, Miss C. HK
 Mundy, Miss E.B. QGN
 Nicholson, Seth B. D
 Peirson, Miss M.B.
 Popenoe, Paul. FKI
 Ramsey, H.J. O

Altadena, Cont'd.

Richards, G.L., Jr. EMC
 VanAmringe, E.V. ECO
 Wheeler, E.B. B

Anaheim

Myers, Mabel A. EF
 Wolf, Carl B. G

Angwin

Hoen, R.E. CEF

Arcadia

Ray, David H. MBC

Arcata

Hunt, V.L. Nd

Bakersfield

Graham, Miss E. GFN
 Haskell, N.A. EB
 Hill, M.L. E
 May, A.R. EFM
 Miller, C.G. BCA
 Thomas, N.L. E
 Woodworth, H.E. F

Balboa Island

Brackett, F.P. DBA

Bartlett

Dub, G.D. MCE

Berkeley

Adams, Frank EOK
 Adams, R.L. O
 Adelson, D.E. CB
 Aitken, R.G. DA
 Aitken, Thomas FN
 Allen, Ruth F. G
 Alsberg, Carl L. KCO
 Aron, D.J. GCO
 Balcock, E.B. GFO
 Bailey, Edna W. QFI
 Barrett, J.T. GO
 Beck, Sister Mary
 Cleophas BCA
 Bennett, J.P. GOC
 Berkefeld, P.C. MP
 Bernstein, B.A. AID
 Birge, R.T. B
 Blasdale, W.C. C
 Bodman, G.B. OBC
 Boelter, Miss M. FC
 Bonar, Lee G

Berkeley, Cont'd.

Bowerman, Miss M.L. G
 Boynton, W.H. N
 Branch, G.E.K. C
 Bray, W.C. C
 Brode, M.D. FG
 Brode, R.B. B
 Brooks, S.G. FGN
 Brown, H.E. F
 Brown, J.G. B
 Brown, Warner
 Bruman, H.J. EH
 Bryan, Edith S. IKN
 Bryant, M.D. PQQ
 Buckingham, F.A. KMP
 Bush, Miss Mildred F
 Byck, Harold T. BCM
 Cameron, D.R. G
 Camp, Chas. L. F
 Campbell, A.S. FGN
 Carlson, A.J. MCA
 Carter, Miss F. FN
 Castle, William E. F
 Chaikoff, L.L. N
 Chaney, R.W. EG
 Cherry, F.H. M

Berkeley, Cont'd.

Clark, B.L.EFG
Clausen, Roy E.GO
Cleveland, T.K.BCM
Cockrell, R.A.GCB
Conrad, I.S.IQK
Cooksey, DonaldB
Cooper, W.W.KM
Corbett, L.J.MBD
Craig, KoderickNCF
Crannell, C.W.IFH
Crawford, R.T.DAB
Cruss, W.V.OCE
Daniel, J. FrankF
Danner, Philip S.C
Davis, A.R.G
Davis, R.E.M
Dore, W.H.CG
Duschak, L.H.MC
Eakin, R.M.FN
Eaton, C.B.FO
Edmonds, H.M.W.BDK

Einarsson, SturlaD
Ellis, RalphFG
Ellsworth, J.K.OFN
Emerson, G.A.NC
Essig, Edward O.F
Evans, Griffith C.AKB
Fisher, Miss E.M.FHL
Fligelman, Miss F.KHI

Foster, A.S.G
Foster, A.L.ABD
Fox, Sidney W.CNI
Foxworthy, F.W.G
Freeborn, S.B.F
Freitag, J.H.FG
Frost, Miss F.M.N
Fuller, L.F.MBQ
Garber, Miss Lida J.EG
Gardner, Max W.G
Gericke, W.E.CGO
Ghiselli, E.E.I
Gifford, E.W.H
Givens, J.W.CB
Goldschmidt, R.F
Goodspeed, T.H.G
Gray, Harold F.MN
Greenberg, D.M.CN
Haley, GeorgeG
Hall, E. RaymondFE
Hall, Ralph C.OFG
Hansen, H.N.OGF
Haring, C.M.NO
Hazel, A.A.OFG
Hermes, W.F.F
Hersam, E.A.B
Hibbard, P.L.CO
Hildebrand, Joel H.GO
Hill, Cary LeRoyGO
Hoagland, D.R.GOC
Hohl, L.A.GO
Holmes, BenjaminC
Holmes, Jerome K.C
Holmes, S.J.F
Horn, E.E.FCN
Hoskins, W.M.CFN
Hulst, C.D.E
Hutchison, C.B.GO
Hlyde, T.R.B
Jacobus, L.R.NIK
Jenkins, J.A.FG
Jenny, HansG
Jepson, Willis L.G
Jones, H.E.IQ
Joslyn, M.A.A
Katzin, Leonard I.FNG
Kelley, T.F.FN
Kelley, W.P.CO
Kester, E.B.CM
Keys, NoelQ
Kirby, Harold Jr.F
Kirk, Paul L.CNF

Berkeley, Cont'd.

Kittredge, J. Jr.OG
Kodani, MasuoF
Kofoid, C.A.FLN
Kotok, E.I.O
Kraebel, C.J.GOM
Kroeber, A.L.H
Krueger, A.P.N
Kunsmann, C.H.BCA
Kyte, George C.Q
Lachman, ArthurC
Lamiman, John F.F
Langille, H.B.M
Lapham, M.H.EOG
Latimer, W.M.CB
Laton, Anita D.QI
Lawrence, E.O.B
Lawrence, J.H.N
Lawson, A.C.E
Lazar, ArthurCNM
Legge, Robert T.N
Leighly, John B.E
Lerner, I. MichaelF
Leuschner, A.O.DAB
Lewis, G.N.BC
Li, Choh-HaoCNB
Light, S.F.F
Lightbody, H.D.CN
Lineweaver, H.CON
Linsley, E.G.FO
Lipman, C.B.CEG
Loeb, E.M.HK
Loeb, L.B.B
Long, J.A.F
Long, Miss M.E.F
Loudersbach, Geo. D.E
Lovett, Hobart M.D
Lowie, Robert H.II
Lucia, E.L.N
Luten, D.B. Jr.CFE
McCown, T.D.H
Macfarlane, J.W.I
McGowan, D.C.CBO
Mackay, D.S.KLO
Mackie, W.W.O
Mackinney, G.G
Manning, P.D.V.CM
Marshall, Alfred FGN
Marshall, L.C.BMO
Martin, J.C.CG
Marx, WalterG
Mathias, Miss M.E.G
Mendonca, A.H.CO
Meyer, Wm. F.DB
Michelbacher, A.E.GO
Miller, A.H.F
Miller, John M.F
Minor, R.S.B
Mitchell, James F.NO
Montermoso, J. C.GCO
Moody, Mrs. A.C.FHK
Moody, R.O.NFO
Morgan, Mrs. A.F.CN
Morgan, W.S.IQK
Morris, B.J.KOI
Mowbray, A.H.KA
Mulford, WalterO
Nachtrieb, H.F.F
Noble, C.A.A
Nutter, E.H.MEO
Oford, H.R.FG
Ogden, EricN
Okey, Miss RuthN
Olmsted, J.M.D.FN
Olson, A.R.CB
Olson, Ronald L.II
Page, LarranceB
Perry, Miss E.P.OEC
Pettitt, George A.H
Pomeroy, W.C.BMC
Putnam, T.M.A
Quick, C.R.GC
Raber, B.F.MBC
Randall, MerleCB

Berkeley, Cont'd.

Rawlins, T.E.G
Ray, Robert D.Ndf
Reed, H.S.G
Reukema, Lester E.M
Ritter, W.E.FOI
Rolfesson, G.K.CB
Ruben, SamuelCBG
Sampson, A.W.G
Schiff, L.I.B
Schoonover, W.R.OGC
Scott, C. EmlenG
Seaborg, Glenn T.CB
Seidenspinner, E.CGO
Setchell, W.A.G
Shane, C.D.DBA
Sheldon, Mrs. F.M.DEF

Shock, N.W.INC
Smith, Miss M.NF
Smith, Miss N.EFG
Smith, R.E.G
Smyth, W.H.G
Snyder, W.C.OGC
Stebbins, L.W.K
Stilwell, W.H.D
Stockwell, Palmer GE
Stoddard, K.B.BN
Strait, L.A.BA
Talbot, M.W.GOF
Taylor, Lewis W.OF
Test, Frederick H.FG
Thomas, H.E.G
Thomas, Harold E.G
Thompson, C.G.BM
Tolman, E.C.IHF
Tompkins, P.T.ABC
Torrey, H.B.FNI
Tufts, James H.I
Tufts, M.C.OI
Ulrich, AlbertOGC
Van Atta, G.R.CPM
Van Dyke, E.C.F
Villce, Claude, Jr.FNI
Vlamis, JamesG
Wallace, A.M.GOF
Walsh, O.S.GOF
Wampler, J.C.HLE
Warren, JeanKO
Weber, Adolph H.CEG
Weinberg, FredB
Weir, Walter W.MO
Wernecke, L.EM
Williams, A.R.A
Wisser, Edward H.EM
Wong, Bing ChinA
Woods, B.M.MBA
Woodworth, C.W.F
Yarwood, CecilG
Zuckerman, H.G.OG

Beverly Hills

Collins, D.C.NFH
Detrick, L.E.NC
Holter, N.J.BCI
Prout, J.W., Jr.AEM
Trieb, Carl F.IQ

Bodega

Laton, Burle C.BAC

Burbank

Harsh, S.A.DBC

Burlingame

Crocker, Mrs. W.H.
Davies, N.A.MCP
Pomeroy, G.A.B
Smyth, F.S.N
Ulrich, F.P.EMB
Wilson, C.W.F

Camarillo

Allen, Miss E.C.NFC

Carlsbad

Rayner, E.A.IFH

Carmel

Burnett, T.C.N
Haasis, F.W.GOE
Kellogg, L.O.ME
Lachmund, H.G.G
Lloyd, F.E.G
MacDougal, D.T.G

Chico

Benedict, H.C.CN
Holt, Miss VestaF
Iloff, Philip M.AB
Meigs, P. IIIEHK

Claremont

Dart, Mrs. D.C.F
Durward, ArthurB
Ellis, R.S.IQ
Eyre, Miss M.B.IHN
Hilton, William A.F
Howell, David H.EHD
Hunter, G.W.QNF
Kennard, T.G.CBE
Kirk, WilliamKHI
Leighton, W.G.CBO
Mason, MollyI
Munz, Philip A.G
Pattee, H.H.IQN
Robinson, Chas. J.C
Ross, Luther S.F
Smith, Isabel F.E
Stoughton, A.V.N
Tilston, R.R.BDA
Woodford, A.O.E
Young, Anne E.D

Coalinga

Cox, J. EmitIG
Smith, Miss E.L.BHK

Colfax

Peers, R.A.N

Colton

Rich, Miss M.E.K

Compton

Oakeshott, G.B.E

Corona

Bryant, E.F.CEN
Burman, O.K.CE
Joseph, G.H.CO
Newcomb, D.A.OCG
Wilson, C.W.CMP

Coronado

Crosby, W.W.MQI
Wood, C.A.N
Wright, J.C.M

Culver City

Allard, R.P.C
Holman, W.H.E

Daly City

Farbar, Leonard MCB

Davis

Amerine, M.A.GO
Asmundson, V.S.OF
Bransford, J.S.OG
Briggs, Fred N.GO
Brooks, F.A.M
Cameron, Hugh S.N
Cole, H.H.NOF
Crafts, Alden S.GO
Davey, A.E.GOF
Day, Leonard H.G
Dietrich, W.C.CBI
Emlen, John T., Jr.F

- Davis, Cont'd.**
 Essau, Miss K.GO
 Gilmore, J.W.OG
 Gordon, H.S.MBA
 Gregory, P.W.F
 Hanna, GordicO
 Hart, G.H.NO
 Hendry, G.W.OLG
 Hinshaw, W.R.NOC
 Howard, W.L.O
 Hughes, E.H.CFN
 Jack, E.L.CO
 Kendrick, J.B.G
 Kleiber, MaxNO
 Knott, James E.OG
 Leach, Lysle D.G
 MacGillivray, J.H.OG
 Mead, Albert R.FGH
 Pendleton, Ray A.GO
 Proebsting, E.L.GO
 Roadhouse, C.L.O
 Robbins, W.W.G
 Roessler, E.B.ABM
 Rosenberg, L.E.FNC
 Ryerson, K.A.OGE
 Smith, AlfredOEB
 Stanford, E.H.OG
 Stewart, M.A.F
 Stocking, C.R.GOC
 Storer, Tracy I.F
 Tufts, W.P.OGC
 Usinger, R.L.FO
 Veihmeyer, F.J.GO
 Walker, H.B.MO
 Winkler, A.J.GO
- Del Mar**
 Pierce, N.H.N
 Worthington, J.H.D
- Eagle Rock**
 Eckerman, A.C.IN
- El Monte**
 Fancier, Mrs D.G.QKL
- El Segundo**
 Miller, Otto N.CMI
 Reh fuss, C.W.MCE
- Emeryville**
 LaFrance, D.S.CPN
 Williams, E.C.CBM
- Encanto**
 Selby, H.H.CAN
- Escondido**
 Meyer, Mrs. C.V.G
- Eureka**
 Chain, John N.FN
 Gillespie, D.K.GED
 Tracy, Joseph P.G
- Exeter**
 Whitney, D.J.EFG
- Fallen Leaf**
 Swartz, Herman F.KQ
- Fontana**
 Hasbrouck, P.B.MEI
- Fort Bragg**
 Bowman, P.J.N
- Fresno**
 Ballard, W.S.GCO
 DuBois, RobertC
 Graves, Geo.W.GOK
 Morris, Frank R.AMD
 Pentzer, W.T.OGC
- Fresno, Cont'd.**
 Piston, Donald S.BE
 Shaw, W.T.F
 Simmons, PerezF
 Smith, F.F.QIK
 Snyder, ElmerGO
 Tucker, W.M.ECH
 Twining, F.E.M
 Warner, A.O.KL
- Gardena**
 Holtom, H.T.MB
- Glendale**
 Chaney, A.L.CN
 Coddington, H.W.N
 Driver, Herschell. E
 Gillan, Silas L.EMC
 Gorton, A.F.BDM
 Graber, P.E.ABC
 Hosick, Mrs. E.O.GE
 Kew, Wm S.W.E
 Lawson, H.C.N
 Manifold, R.G.ABC
 Morrill, A.W.F
 Mulders, G.F.W.DAB
 Mumford, R.W.CEM
 Nichols, Mrs J.S.BC
 Steinebrey, F.J., Jr.CBM
- Glendora**
 Ellis, James H.BC
 Wood, C.H.N
- Grass Valley**
 Farmin, RollinEM
 Klippahhn, E.O.E.M
- Gustine**
 Harrower, J.R.CO
- Hamilton City**
 Mills, James, Jr.OMF
- Hawthorne**
 Pettit, Jack O.IHK
- Healdsburg**
 Durst, Fred M.QEO
- Hermosa Beach**
 Zerga, J.E.IQN
- Hollister**
 Harris, H.W.OGF
- Hollywood**
 Fisher, S.C.IHF
 McFarlane, M.D.M
 Manning, Mrs. J.F.QKH
- Indio**
 Aldrich, W.W.OG
 Nixon, Roy W.OG
 Rygg, G.L.GO
 Swingle, Leonhardt O
- Inglewood**
 Geiger, ErnestNp
- Kenwood**
 Sessions, R.F.CBA
- Knights Landing**
 Dixon, Harry S.MQB
- La Canada**
 Hiatt, Glenn H.CGN
- La Crescenta**
 Davidson, J.G.BQ
- Lafayette**
 Endersby, V.A.M
- Laguna Beach**
 Miller, SpencerM
- La Jolla**
 Allen, W.E.FG
 Fox, D.L.CFN
 Goebel, G.W.M
 Johnson, M.W.F
 McEwen, G.F.AB
 MacKay, Eaton M.N
 Moberg, Erik G.C
 Revelle, RogerE
 Shepard, Francis P.E
 Stockton, J. LeroyI
 Sumner, F.B.F
 Sverdrup, H.U.B
 Whedon, W. ForestF
 Whitaker, T.W.C
 Young, R.T.NCF
 ZoBell, Claude E.NCG
- La Mesa**
 Waltman, W.D.EML
- Laton**
 Brinkmeier, J.H.L
- Lewiston**
 Smith, Miss M.E.PKI
- Livermore**
 Blum, M.E.DAB
 Mack, C.W.NI
- Lodi**
 Rinde, C.A.BMI
- Loma Linda**
 Ashley, L.M.FNG
 Judehnd, T.F.N
- Lompoc**
 Kantor, J.H.GOF
- Lone Pine**
 Chalmers, J.A.CME
- Long Beach**
 Anthes, J.A.C
 Edwards, M.G.EM
 Feeney, F.L.FGO
 Hockman, A.B.MEB
 Newman, Alfred CBA
 Reeder, C.W.N
 Roberts, C.H.M.CBM
 Roe, Mabel L.G
 Utter, L.MED
 Wissler, S.G.E
- Los Altos**
 Johnson, W.B.IK
 Yates, Mrs. D.H.IQF
- Los Angeles**
 Adams, J.M.BO
 Allen, B.M.F
 Alter, Dinsmore ABD
 Anderson, H.T.EF
 Artran, A. Pierce FGN
 Atsatt, Miss S.R.FQ
 Bachrach, W.H.N
 Baker, K.F.G
 Baldwin, F.M.F
 Ball, G.H.FCN
 Ball, John O.QAM
 Banzhaf, E.M
 Barkelew, J.T.KBD
 Barnett, Mrs. L.J.H. B
 Barnett, S.J.B
 Bartlett, Emily M. FG
 Bauch, Miss Ruth E. E
- Los Angeles, Cont'd.**
 Baughman, Imo P.C
 Beckwith, T.D.N
 Beers, Miss C.V.FGQ
 Bell, Archibald W.F
 Bell, CliffordA
 Belt, A.E.N
 Bennett, H.S.MAB
 Binkley, G.S.BM
 Bissell, M.H.E
 Blanchard, F.T.LO
 Bohart, R.M.F
 Boodin, John E.I
 Bovard, John F.FI
 Bower, E.C.D
 Brantly, J.E.EM
 Brinton, P.H.M.P.C
 Brown, J. CalvinM
 Brown, MackenzieM
 Brunswick, David IN
 Burg, Anton B.CBA
 Buns, Joseph F. BDA
 Burrows, M.T.FN
 Cady, O.H.C
 Campbell, Miss J.R. A
 Cason, HulseyI
 Chace, E.M.CO
 Chandler, W.H.O
 Church, C.G.CN
 Clark, AlexEMF
 Clark, Loren T.B
 Clark, Perry B.F
 Clark, W.G.MBC
 Clemishaw, C.H.D
 Collier, Miss M.AK
 Collins, T.S.N
 Coons, Callie Mae CN
 Coons, R.R.CBN
 Corey, W.H.EFH
 Coryell, C.D.CFB
 Courville, Cyril B. N
 Daus, Paul H.A
 Davis, E.F.EOC
 Davis, Martha E. CNF
 Davis, Ward B.G
 deForest, HowardG
 deForest, LeeBM
 Duvel, H.J., Jr.N
 Dlouhy, Francis N. ME
 Dodd, L.E.B
 Dodge, T.A.ERM
 Dresser, W.P.DNB
 Drury, D.R.N
 Dunlap, Knight.IH
 Edwards, H.W.B
 Elder, Clayburn C. MA
 Eliel, Leon T.M
 Ellis, Joseph W.B
 Fearning, F.S.IHF
 Field, Hazel E.FN
 Fisher, E.F.EKO
 Flam, JohnDBC
 Fox, ElbertBAC
 Franklin, Elmer EBQ
 Fraser, R.J., Jr.BEA
 Frisby, E.R.MB
 Gale, Hoyt Rodney EK
 Gale, H.S.E
 Gilhousen, H.C.IHK
 Glenn, T.H.N
 Goddard, Miss V.R.CNF
 Goudkoff, P.P.E
 Grant, Adele Lewis GF
 Grant, U.S., IVEF
 Gray, GretaKQ
 Greene, M.R.NF
 Griffin, John B.OOK
 Griffith, J.H.C
 Gross, NelsK
 Hall, Edwin B.EM
 Halliday, Nellie.CN
 Harper, H.A.NFC

Los Angeles, Cont'd.

Harrington, M.R. ... H
 Harris, Ford W. M
 Harrison, B.M. FN
 Haupt, A.W. G
 Hazen, John W. MAB
 Hedrick, E.R. AM
 Henderson, E.B. CEB
 Henny, Gerard CE
 Herman, John CE
 Hodgson, R.W. OGO
 Hoffman, Arthur M. N
 Holden, Harold M. NF
 Hollenback, G.M. Nd
 Howard, Arthur D. F
 Howard, Miss H. FEH
 Hoyt, Anson CFN
 Huberty, M.R. OME
 Hudson, Frank S. E
 Hughes, Rupert D
 Humm, D.G. IA
 Humphrey, C.J. G
 Hunt, Guy H. A
 Hurt, Arthur C., Jr. NF
 Ickes, E.L. EAB
 Ingham, S.D. NIB
 Jennings, Herbert S. F
 Jensen, Joseph MEC
 Johnson, Arthur M. G
 Johnstone, G.R. G
 Jones, Lauder W. C
 Kaplan, Oscar IFK
 Kessel, John F. FN
 Kirkpatrick, H.A. B
 Knox, Garner L. MBA
 Knudsen, Vern O. B
 Kohn, Samuel C. IQK
 Lazier, F.L. FNO
 Leonard, F.C. DE
 Leslie, Roland R. CKO
 Levanas, Leo D. C
 Lewis, E.R. NF
 Lewis, W. Scott DE
 Linton, Robert M
 Lischner, Hyman N
 Lissner, Henry H. N
 Lorenz, A.J. NCO
 MacCallum, D.B. N
 McClanahan, A.C. I
 McClellan, M.L. E
 McCoy, I.I.N. BCM
 McCulloch, Irene A. F
 McFadden, N.F. EBF
 McKee, Stewart C
 McKibben, Paul S. N
 McLaughlin, K.L. QIK

MacMillan, H.G. G
 Maizlish, I. Paul BAD
 Manton, M.G. N
 Marker, Wm. M. MCB
 Maurer, John NdIK
 Merrill, Frank H. C
 Metfessel, M. IQO
 Miller, Hyman LN
 Miller, L.H. FFE
 Miller, Pierre A. GO
 Miller, W.J. E
 Mills, Lloyd N
 Mitchell, H.H. NFG
 Moffatt, W.S. FGN
 Montgomery, H.H. I
 Moore, E.C. O
 Most, Nathan BMP
 Mudd, H.S. M
 Musgrave, H. IB
 Nye, Arthur W. BD
 Older, F.E. OQ
 Palette, Edward M. N
 Panunzio, C. KHI
 Parker, Herschel C. B
 Patek, Paul R. NFC

Los Angeles, Cont'd.

Peacock, Miss B.R. GFE
 Pearce, D.B. NFH
 Peebles, Florence FG
 Perry, William IFQ
 Pheley, D.B. MBO
 Piatt, Donald BIK
 Pierce, L.F. CN
 Pierce, W. Dwight F
 Plunkett, Orda GF
 Pohlman, A.G. N
 Pollia, Joseph A. NFC
 Potter, R.B. B
 Pressman, J.J. N
 Raulston, B.O. N
 Reynolds, Earle H. BC
 Robison, C.H. Q
 Robertson, J.C. N
 Robinson, John W. N
 Roessler, H.F.B. CNP
 Rothman, T. CKB
 Salvatori, Henry BE
 Schechtman, A.M. FN
 Schmidt, W.A. BCM
 Schroter, G.A. EMN
 Scott, Miss Murray GE
 Searies, H.L. IQK
 Selle, Raymond M. FN
 Severance, H.M. G
 Shaffer, A.M. C
 Shelton, E.K. NIQ
 Sherwood, G.E.F. A
 Sinclair, J.H. QI
 Siemons, J. Morris N
 Smith, J. Frank CMQ
 Smith, Ralph H. F
 Soltan, David L. BMA
 Somerville, R.L. N
 Soper, E.K. E
 Spence, Harold I. MEC
 Sponsler, O.L. GBC
 Starbuck, E.D. IQ
 Steele, Edson IN
 Stuartman, M.A. GFD
 Strong, A.M. M
 Strouse, Solomon N
 Sullivan, E.T. I
 Sullivan, Ellen B. IQ
 Targow, A.M. N
 Templeton, Miss B.C. GIN

Thienes, C.H. Np
 Thomas, T.Y. AB
 Tiejie, Arthur J. E
 Travis, L.E. I
 Trimble, C.E. CBA
 Troxell, Harold C. M
 Truesdail, R.W. CNF
 Tschudy, William M
 Van Wart, R. McL. I
 Varney, B.M. EB
 Vaughan, F.E. EB
 Vollrath, R.E. CB
 von Klein Smid, R.B. E
 Waddell, C.W. QI
 Wade, F.S. ECM
 Warren, Neil I
 Whelan, D.E., Jr. MBO
 White, H.J. BMC
 Whitman, Alfred R. E
 Whyburn, W.M. A
 Wickland, Carl A. NI
 Williams, J.H. QI
 Wolglum, R.S. F
 Wolcott, E.R. BC
 Wood, S.F. FN
 Woodruff, Miss R. F
 Woods, E.L. IQH
 Worthington, E.R. A
 Zierer, Clifford M. EK

Madera

Barcroft, D.P. DCB
 Butin, M.R. N

Manhattan Beach

Jochum, W.T. MBA
 Perkins, R.M. GOE

Martinez

Derbenwick, F. CB
 Morrison, D.M. CBP

Marysville

Delamere, G.S. N

Menlo Park

Ash, Charles S. C
 Friedenber, E. CEQ
 Locke, Augustus E
 Smith, W.S.T. E
 Vold, Robert D. C
 Webster, Hutton H
 Wilder, H.K. CBM

Mill Valley

Drake, Bryant S. CBN

Mills College

Wagoner, L.C. IQH

Mineral

Swartzlow, C.R. EML

Modesto

Cook, William C. F
 Gooding, J.H. GIN
 Hoover, Robert F. G

Monrovia

Beckwith, H.T. CEM
 Pottenger, F.M. NBH
 Pottenger, F.M., Jr. MBH
 Remington, Lewis D. N
 Simonsen, D.G. CND

Monterey

Linsdale, Jean M. F

Monterey Park

Benkesser, G.E. MKB

Mountain View

Clausen, A.A. M
 Schneider, E.J. CBA
 Shibuya, Miss M. NC

Mount Hamilton

Jeffers, Hamilton M. D
 Moore, Joseph H. DB
 Wright, W.H. D

Mt. Shasta

Wales, J.H. FNG

Nevada City

Quinan, C. N

Nice

Deonier, C.C. FNO

Niles

Shinn, M.W. QHI

North Hollywood

Corbin, Harold A. AC

Oakland

Black, B.W. NK
 Bond, R.M. FGE
 Burch, Mary C. I
 Caselli, Albert V. CM
 Chappel, Harry G. HG

Oakland, Cont'd.

Eickelberg, E.W. M
 Espy, T.W. M
 Fontaine, S.B. Nd
 Furbay, J.H. FO
 Garthwaite, J.W. CE
 Garthwaite, Miss M.E. NF

Gray, C.E. C
 Haun, G.C. M
 Hund, W.J. C
 Isenhour, L.L. COG
 Kaiser, John B. L
 Lam, Robert C. NFD
 Linsley, Earle G. DEQ
 Lundberg, A.J. BCD
 McMinn, H.E. GFN
 Mitzinger, Charles D. D
 Mitchell, John N. O
 Owens, Glynn AB
 Ross, Paul B. C
 Russell, G.H. M
 Ryker, H.C. MB
 Shimotori, G. BAD
 Stalder, Walter CEM
 Stockholm, Miss M. CN
 Thompson, Mrs. E.W. FOI

Trimble, H.G. NK
 Walker, Miss M.C. ED
 Winegarden, H.M. CNB

Wistar, Richard C

Ocean Beach

Freeman, G.N. CM

Orange

Cossairt, G.W. CMP
 Daintons, Milo R. CN
 Shippee, V.C. CBQ

Ontario

Stanford, H.R. GOF
 Vance, J.A. N
 Wilson, C.P. C

Olive View

Bogen, Emil NCB

O'Neals

Biswell, Harold H. G

Pacific Grove

Campbell, Berry NHF
 Carson, S.F. CBN
 Fisher, Walter K. F
 Heath, Harold F
 Skogsberg, Tage F
 Snow, L.M. G
 van Niel, C.B. NCF

Pacific Palisades

McBride, G. McC. E

Palo Alto

Beard, Paul J. NPM
 Beckett, B.B. M
 Blichfeldt, H.F. A
 Boyd, Harold E. E
 Buss, F.E. DEG
 Carlisle, C.L. N
 Carroll, Joseph S. M
 Cody, Robert L. KL
 Davis, Burt L., Jr. NCF

Dewar, Miss M. C
 Drake, Robert J. FH
 Elliott, H.F. MBD
 Frost, Mrs. F.J. HN
 Green, Heriwyn R. NG
 Hall, Victor E. NFG
 Hollis, E.P. DEM

Palo Alto, Cont'd.

Hollis, Mrs. E. M. E
 Jakobsen, B. F. M
 Johnson, Willis H. F
 Kildale, M. B. EM
 Koenig, Otto CEM
 Krauskopf, K. B. ECB
 Lemmon, D. M. EM
 McMillan, W. B. MBD
 McMurphy, James GO
 Marshall, S. M. MED
 Meyer, A. W. NFH
 Morris, S. B. MEQ
 Morse, S. W. OCB
 Myers, Miss M. FGE
 Neidig, Ray E. C
 Patrick, G. T. W. I
 Sanders, A. O. NHE
 Sanford, F. B
 Schwabacher, S. CEM
 Scofield, N. B. FG
 Sears, J. B. QK
 Shafer, G. D. FN
 Slonaker, J. Rollin F
 Strick, E. J. NFD
 Taft, J. A. E
 Taft, Alan C. F
 Tickell, F. G. ME
 Timoshenko, S. M
 Tucker, R. H. AD
 Uspensky, J. V. A
 Wenk, Morris MQE

**Palos Verdes
Estates**

Bray, Ulric B. CM

Pasadena

Adams, Walter S. DBA
 Agnew, James C. M
 Alexander, C. K. AB
 Anderson, C. D. BDC
 Anderson, E. G. FG
 Anderson, John A. DB
 Arthur, Charles W. N
 Backock, H. D. BD
 Bailey, F. W. NF
 Bates, Stuart J. C
 Bedell, Frederick BM
 Bell, James Edgar C
 Bishop, Louis B. F
 Breitwieser, C. BMA
 Briggs, C. H. N
 Buchman, Edwin R. C
 Buddha, J. D. CD
 Buwalda, John P. E
 Campbell, Ian E
 Clapp, W. H. MED
 Conroy, C. C. DLO
 Corey, Robert B. CB
 Crellin, Edward W. M
 Damsgard, L. C. DAB
 deLaubenfels, M. W. F
 Dobzhansky, Th. FG
 Dock, George N
 Duncan, J. C. DBQ
 Dunham, T. Jr. DBN
 Embree, Harland C. C
 Emerson, Sterling GF
 Epstein, Paul S. B
 Fleming, T. Jr. EMI
 Flocken, Chas. F. N
 Fossler, Mary L. FCN
 Furlong, E. L. E
 Gunder, Jeane D. F
 Gutenber, Beno. EDB
 Haagen-Smit, A. J. CGF

Hague, Miss Eleanor ...
 Harding, M. W. ECB
 Harris, F. S. Jr. BAC
 Hewitt, A. C. M

Pasadena, Cont'd.

Hinrichs, F. W., Jr. M
 Hirsch, F. R., Jr. BE
 Hopkins, Louis J. HI
 Houston, W. V. BAC
 Hurd, Arthur H. NF
 Johnson, Joseph J. DE
 Joy, Alfred H. D
 King, A. S. BDC
 Klein, A. L. MB
 Kleiner, E. G. CBO
 Krick, Irving P. B
 Lucas, Howard J. C
 McDowell, C. S. MBH
 Mackeown, S. S. MB
 McLaughlin, A. C. E
 Malina, Frank J. M
 Mason, Max AB
 Merrill, Paul W. DB
 Meyers, Thomas J. NI
 Michal, A. D. A
 Michener, Harold FGE
 Millikan, C. B. BAM
 Millikan, R. A. B
 Moore, Robert T. FE
 Morgan, C. G. EBM
 Morgan, T. H. F
 Morris, Lawrence K. E
 Munro, W. B. LKO
 Niemann, Carl CN
 Pauling, Linus CB
 Perkins, Royal C. NC
 Phillips, Vance BFC
 Poitras, E. J. BMA
 Prater, Arthur N. CFG
 Pugh, K. E., Jr. NB
 Putnam, Walter MC
 Reed, J. Ross N
 Richter, Charles F. E
 Ricketts, Louis D. M
 Roeder, Frederick M
 Rooksby, Mrs. Ellen G
 Sanford, Roscoe F. D
 Sargent, H. E. H
 Schmitt, Miss Clara IO
 Seares, Frederick H. D
 Sharp, George C. Nd
 Smythe, W. R. B
 Soske, Joshua L. EBA
 Stork, Chester EF
 Stromberg, Gustaf D
 Sturtevant, A. H. F
 Sutton, Lorena A. N
 Thurston, Carl H. P. IH
 Tolman, Richard C. BC
 Tyler, Albert FCN
 VanBuskirk, H. C. A
 vanOverbeek, J. GOC
 vanHarrevel, A. NFI
 Watson, Earnest C. B
 Wear, Luther E. A
 Went, F. W. G
 Wiersma, C. A. G. NF
 Wilson, Ralph E. D
 Wolff, John Eliot E
 Wood, Harry O. EB
 Zwicky, Fritz BD

Piedmont

Brobeck, W. M. MB
 Jones, Paul R. F
 Moffitt, James K. N
 Strietmann, W. H. N
 Williams, F. A. GOF

Pittsburg

Heath, Frank W. CBT
 Siem, Roy CMB

Placerville

Austin, Lloyd OG
 Morgan, W. C. NpIK
 Weidman, R. H. DOG

Pleasanton

Miller, Alice F. NCF
 Podstata, V. H. IN

Point Loma

Clark, Orange I. GO

Pomona

Burgess, Miss D. GFN
 Furr, J. R. OG
 Harvey, E. M. GO

Porterville

Miller, Austin N
 Miller, Newton N

Redding

McGraw, J. W. NpC
 Ruoff, Robert V. BKA

Redlands

Abbott, C. H. FE
 Albert, O. W. A
 Berry, S. S. FEG
 Horton, J. S. GO
 Jones, Lynn W. BM
 Jones, S. Guy C
 Marsh, H. E. BDM
 Moore, Caroline S. GF
 VanOsdel, E. B. ED
 Woodrow, H. W. CN

Redwood City

McKee, Albert B. NOE
 Strowger, Berk B. NFG

Richmond

Gardner, Leo R. FGC

Rivera

Benton, Ralph FG

Riverside

Bartholomew, E. T. G
 Basinger, A. J. F
 Batchelor, L. D. OEG
 Bennett, C. W. G
 Bliss, Donald E. G
 Bliss, H. H. QBM
 Boyce, Alfred M. FO
 Brown, S. M. C
 Carsner, Eubanks G
 Chapman, H. D. OG
 Condit, Ira J. K
 Cooper, Miss A. B. QO
 Eaton, Frank M. G
 Ebeling, Walter F
 Eggleston, J. W. EF
 Fawcett, Howard S. G
 Flanders, S. E. FO
 Frost, H. B. GO
 Giddings, N. J. G
 Gilchrist, F. G. F
 Hayward, H. E. G
 Horne, W. T. G
 Lesley, J. W. OG
 Long, Elbert M. G
 Parker, E. R. OG
 Persing, C. O. FOA
 Pomeroy, C. S. GO
 Quayle, H. J. G
 Rounds, M. B. FGO
 Shamel, A. D. N
 Smith, Clayton O. G
 Smith, H. S. F
 Test, Charles D. CEF
 Timberlake, P. H. F
 Turrell, F. M. GCB
 Walker, R. H. OGC
 Wallace, J. M. GO
 Webber, H. J. GO
 Webber, J. M. GOF
 Wilcox, L. V. COG

Sacramento

Copeland, H. F. GO
 Curtis, Brian F
 Day, Artemas L. F
 Day, Howard C. FNC
 Engstrom, Carl O. N
 Ferneau, T. E. MKQ
 Giffen, R. B. Nd
 Goethe, C. M. KHO
 Gottfried, S. NFC
 Harris, M. R. G
 Jenkins, Hubert O. EF
 Johnston, E. M. O
 Kimber, G. C. EGH
 Lichthardt, G. H. P. MC
 Llopis, V. A. KQM
 Mackie, D. B. F
 Milbrath, D. G. G
 Nash, Clarence BAC
 Noble, W. B. FOG
 Todd, Frank E. FOK
 vonGeldern, C. E. N
 Wilson, C. C. F
 Wood, Milo N. OGF
 Zallio, A. G. II

St. Helena

Cox, Leonard M. ME
 Lewelling, R. BCM

Salinas

Gardner, Eldon J. F

San Bernardino

Christenson, L. D. FG
 Cummings, N. W. BAM
 Edge, Elton R. FG
 Harvey, J. Vernon G
 Moose, Ray M. NIB
 Peters, R. B. EHO
 Yeaton, W. J. E

San Bruno

Clyde, W. H. KIH

San Diego

Bach, James H. BEM
 Bailly, Joshua L. Jr. FAD
 Barondes, R. de R. N
 Brooks, Baylor E
 Burlingame, Mildred I
 Cupp, Easter E. FG
 Darsie, M. L. Jr. GN
 Dawson, C. H. M
 Donovan, Paul B. NC
 Eigenmann, Mrs. R. S. F

Fladeland, R. H. NdEL

Grant, Chapman F
 Hardy, Edward L. QO
 Harvey, Mrs. D. R. GF
 Harwood, R. D. FG
 Hoffman, F. L. K
 Jannoch, Mrs. M. L. GF
 Johnson, Myrtle E. F
 Klauber, L. M. MFC
 McClendon, S. J. N
 MacPike, E. F. KLO
 Marston, G. W. DH
 Meyer, Art W. M
 Morris, Miss Elma N
 Purer, Edith A. G
 Redelings, L. H. N
 Ruediger, E. Henry N
 Schabelitz, E. J. N
 Schroeder, C. R. FN
 Simons, Mrs. C. L. F
 Smith, Clifford E. DAB
 Stallard, Harvey Nd

South Gate
Malinovszky, A.C

South Pasadena
Adams, E.L.MFG
Evans, NewtonN
Frederick, C.A.BM
Garlinghouse, L.H.MBA
Murphy, F.M.EMC
Ross, Roland Case FEQ

South San Francisco
Haeseler, P.C.C

Stanford University
Abrams, LeRoyG
Baumberger, J.P. FKN
Beadle, G.W.FGO
Bergstrom, F.W.C
Blackwelder, EliotE
Blinks, L.R.GFC
Bradbury, N.E.B
Burlingame, L.L.FG
Byrd, Oliver E.QN
Campbell, D.H.G
Cannon, W.A.G
Child, C.M.F
Clancy, C.W.FG
Clausen, J.G
Clifton, C.E.N
Crook, W.J.BCM
Danforth, C.H.HFN
Doane, R.W.F
Domonoske, A.B.M
Durand, W.F.BDM
Eurich, Alvin C.QI
Farris, G.F.F
Field, John, II.NCF
Gray, Donald J.N
Greene, C.W.NpFC
Hall, Everett W.BKI
Hall, Warren, III.IN
Hardin, GarrettFIN
Herre, A.W.C.T. FGE
Hiesey, Wm.M.GO
Hilgard, Ernest R.I
Johansen, Donald A. G

Stanford U., Cont'd.

Keck, David D.G
Kefauver, G.N.Q
Kirkman, Hadley NF
Kirkpatrick, Paul BA
Lanz, HenryABK
Lindsay, Miss M.NG
Luck, J. MurrayCNF
McBain, J.W.CBF
McCracken, I.FGE
MacFarland, F.M. FN
McNemar, Quinn IKO
Manwaring, W.H. NK
Mears, Eliot G. KPE
Merrill, Maud A.I
Miller, JosephI
Mitchell, J. Pearce .C
Mosher, Clelia Duell N
Myers, George S.FE
Needham, P.R.F
Noller, Carl R.C
Parks, George S.CB
Peirce, G.J.G
Rich, Willis H.FGN
Rogers, A.J.E
Schultz, E.W.N
Sette, O.E.FG
Shapovalov, LeoF
Shedd, SolonE
Skilling, HughMB
Skow, Royce K. FNC
Smith, G.M.G
Smith, James H.C. CG
Smith, OttoMBC
Snyder, John O.F
Spoehr, H.A.CG
Stoltenberg, Miss C S.
Stone, Calvin P.I
Storey, Miss M.FG
Storey, T.A.NQK
Strong, E.K., Jr.IQ
Swain, Robert E.C
Taylor, C.V.F
Terman, L.M.IQ
Townley, S.D.DE
Van Rysselberghe, P.C

Stanford U., Cont'd.

Webster, D.L.B
Weymouth, F.W. NFI
Whitaker, D.M.FGE
Wiggins, Ira L.GE
Wilbur, R.L.NQ
Willis, BaileyE
Windsor, Miss M. FG
Working, Holbrook K

Stockton

Conzelmann, F.J.N
Corbin, C.E.A
Jonte, J.H.CEM
McLaughlin, D.T. FH
Noble, Alden E.F
Pease, G.R.IQ
Sanderson, G.H.NE
Snook, Harry J.F
Waldo, AllenE

Sunnyvale

Winter, S.W.OG

Sutter Creek

Slater, T. Calvert EMF

Taft

Klingaman, G.L.ME

Terminal Island

Clark, Frances N.F

Trinidad

Parks, Harold E.GF

Trona

Gale, W.A.CBM

Twentynine Palms

Campbell, W.H.HE

Upland

Manchester, T.C.CE
Rohrbaugh, P.W. GOC

Vallejo

Hogan, James J.N
See, Thomas J.A

Valyermo

Noble, Levi F.E

Van Nuys

Kelly, Mrs. D.S.HK
Whitaker, J.A.M

Ventura

Cecil, RodneyFO
McCurdy, R.C.BME

Watsonville

Finch, R.H.EB
Volck, W.H.C

West Los Angeles

Coit, J. EliotOG
Gilluly, JamesE
Guth, D.O.CPB
Hadley, Mrs. W.C. CQ
Neal, Miss Nellie N. Q
Robertson, G. Ross .C
Wembridge, E.R.I

Whittier

Boyd, B.L.F
Boynton, W.P.B
Broadbent, Miss B.M.F

Dice, M.E.CMB
Fulton, R.A.F
Henderson, C.F.F
McCregor, E.A.F
Pyle, H.R.A
Powers, P.FEQ
Skarstedt, Marcus .A
Spencer, H.F.GFE
Watson, S.A.FGO

Wilmington

Clear, C.G.CBF
Zinszer, Richard .BCA

Yorba Linda

Shepherd, F.I.CEN

Yuba City

Urbahns, T.D.FG

COLORADO

Alamosa

Spencer, Frank C.HQ

Austin

Green, Ferris M.OG

Berthoud

Bunyan, JohnD

Boulder

Alexander, Gordon FG
Allen, A.H.C
Blair, Julian M.BC
Broxon, James W.B
Cockerell, T.D.A.F
Cole, Lawrence W.I
Crabb, Edward D.F
Crawford, R.D.E
Dean, Paul M.C
DeLong, Ira M.A
Drommond, F.G.CNp
Ekeley, John B.C
Evans, Herbert S.M
Faye, Paul-Louis LOH
Germann, F.E.E. CBA
Howells, T.H.IFH
Hutchinson, C.A. ADB
Ives, R.L.EBH
Johnson, E.L.G
Kempner, A.J.A
Lester, Oliver C.BA

Boulder, Cont'd.

LeVeque, NormaFG
Light, G.H.ADB
Lubovich, V.P.B
Morris, Earl H.H
Muenzinger, Karl F. I
Pearl, R.M.E
Pietenpol, W.B.B
Quam, Louis O.E
Ramaley, FrancisG
Rodeck, Hugo G.FGH
Sayre, GenevaG
Shepard, Miss A.O.HEC
Shope, Paul F.G
Stribe, Miss F.P.ABI
Wakeham, GlenCIN
Washburn, H.C.C
Worcester, P.G.E

Climax

Feiss, Julian Wm. EMF

Colorado Springs

Boissevain, C.H. NCG
Boucher, Paul E.B
Brown, F. Martin FHN
Douglas, F.W.CP
Draper, Paul A.NI
Drea, William F. NCB
Froelicher, F.M.Q

Colorado Spgs., Cont'd.

Gilmore, Ralph J.F
Graves, Cecil H.FGC
Marston, Edgar J.G
Obce, D.J.GF
Penland, C.W.GF
Postlethwaite, W.W.HEL
Rawles, T.H.A
Service, W.C.NFC
Studley, DuaneBA
Warren, E.R.F
Wildier, M.A.H
Willis, W.R.CE

Crested Butte

Johnson, J.C.FQ

Denver

Ames, E.W.EM
Bailey, A.M.F
Baskin, M.J.N
Baum, Harry L.N
Billings, E.G.NI
Bouslog, John S.N
Brunquist, E.H.FNP
Buchanan, A.R.N
Burrage, S.NOG
Campbell, Thomas CM
Carstarphen, F.C. BCM
Clausen, Harry J.F

Denver, Cont'd.

Corper, Harry J.N
Cunningham, T.D.N
D'Amour, Fred E.F
Dobbin, Carroll E.E
Douglas, F.H.H
Duncan, D. ShawKL
Ebaugh, F.G.IN
Erdmann, C.E.EM
Evans, J. ClaireCLE
Feldstein, L.H.C
Fowler, O.S.N
Garlough, F.E.FNO
Gerould, Miss E.W. CA
Good, A.H.N
Hall, Ivan C.N
Henderson, C.W. EMC
Hillkowitz, P.NCF
Holch, A.E.GF
Houk, Ivan E.MBE
Hyslop, W.H.B
Iliff, Miss Alberta CNF
Jackson, Edward NO
Keenoy, T. LouisCA
Kemper, C.F.N
Kingerly, H.M.NFH
Kotas, Walter S.N
Lazarus, A.S.N
Lewis, R.C.CN
McWilliams, R.H. KL
Mahoney, F.J.F

Denver, Cont'd.	Englewood	Fort Collins, Cont'd.	Holyoke
Markley, A.J. ....N	Muench, R.K. ....C	Thornton, B.J. ...GO	Niehaus, H.R. ...NGF
Nelson, Alfred C. CMQ	Estes Park	Washburn, L.E. ...CON	Lamar
Nininger, H.H. ...EDF	Canfield, D.H. ...EHF	Whiteford, G.H. ...CQ	Bondurant, D.C. ...MB
Noland, T.J., Jr. MAF	Fort Collins	Wing, Miss E. ....C	Longmont
Nyswander, K.E. ...BM	Avery, Geo. T. ....IO	Winton, W.F.	Brewbaker, H.E. GOF
Osborn, Sidney J. ...C	Binkley, A.M. ....O	Golden	Loretto
Owen, H.G. ....F	Burdick, R.T. ....KO	Adams, A.S. ....M	Cook, Sister R.M. ...A
Parker, Alice ....NO	Costello, D.F. ....OG	Aller, Frank D. ...CEM	Smith, Sister M.A. ...C
Pesman, M.W. ...GKO	DeLeon, Donald FGD	Bellis, A.E. ....B	Mesa
Phipps, L.C. ....M	Gillette, C.P. ....FH	Carpenter, C.B. ...ABC	Stewart, E.H. ....EFG
Reid, F.H.	Glick, D.P. ....NGO	Fitterer, John C. AMQ	Pueblo
Ridgway, Arthur ...M	Goeder, Frank P. ...B	VanTuy, F.M. ....E	Morrison, Miss G. ...FG
Ridgway, Miss D. ...NC	Gunder, D.F. ...AMB	Ward, Leon S. ...CBQ	Smith, Frank K. ....F
Sabin, F.R. ....N	Johnson, C.G.H. ....C	Weinig, A.J. ...BCM	Stirling
Savage, J.L. ....MEA	Kezer, Alvin ....O	Wilson, W.E. ...MAB	Sanders, J.H. ....KIO
Smead, Miss Julia FH	Leonard, W.H. ....O	Greeley	Trinidad
Stark, Miss N.A. ...NC	List, G.M. ....F	Harrah, E.C. ....F	Dowell, F.S. ....FG
Stearns, J.C. ....B	Lory, C.A. ....MOB	Herman, Fred L. ...C	Windsor
Stiles, Geo. W. ....N	Lute, Miss A.M. ...G	Jean, F.C. ....G	Osterhout, Mrs. G.E., GN
Triplett, R.J. ...IKO	Macdonald, S.L. ...AD	Gunnison	
Vanderwilt, J.W. EHM	Palmer, M.A. ....FN	Hurst, C.T. ....F	
Wakeland, Claude ...F	Parshall, R.L. ...MO	Schuhmann, R. ...CA	
Wallin, Ivan E. ....N	Robertson, D.W. ...O	Hesperus	
Ward, Duren J.H. HIL	Rohwer, Carl ....M	Moinat, A.D. ....GO	
Ward, Justus C. ...CNO	Sackett, W.G. ....NG		
Waring, James J. ....N	Sumner, Ruth ....F		
Washburn, A.H. ...NQ			
Wiley, H.L. ....CBM			
Working, D.W. ...KO			

CONNECTICUT

Ansonia	East Haven	Hartford, Cont'd.	Manchester
Dana, A.S. ....MBC	Rogoff, William M. F	Cotton, John M. ...NIK	O'Neal, R.P. ....CPN
Bantam	Thorpe, M.R. ....EF	Cragin, Donald B. ...N	Meriden
Heiser, V.G. ....N	Essex	Dadourian, H.M. BAD	Egeberg, Birger .MCB
Bethany	Hunt, W.R. ....N	Day, Miss K.S. ...IHK	Merrrow
Johnson, T.B. ....C	Farmington	Donchian, Paul S. ...A	Morrow, H.L. ....G
Branford	Lee, John G. ....MB	Dorweiler, Paul ...A	Middletown
Bellis, A.E. ....C	Gales Ferry	Feingold, G.A. ....IO	Buel, Jack ....IH
Cooke, T.F. ....B	Dimick, C.E. ....AB	Ficklen, J.B., III CMN	Cady, W.G. ....B
Bridgeport	Greenwich	Hammond, H.P. ...A	Crawford, M.B. ...B
Ballou, W.A. ...ABQ	Amoss, Harold L. ...N	Hostetter, J.C. ...CBM	Eaton, Vernet E. ...B
Bogin, Maxwell ....N	Campbell, C.L. ...CBL	Hutt, R.B.W. ....HI	Freeman, J.R., Jr. CBM
Geer, W.A.	Fletcher, Henry ...	Kazarian, Sarkis NCG	Goodrich, H.B. ....F
Gordon, David ...BDQ	Kingsbury, Albert BM	Kingsbury, I.W. ...NE	Gortner, R.A., Jr. CNF
Merrill, Mrs. W.E. AD	Vaughan, Miss Lena B	Klinger, Miss B.H., GDF	Hoover, C.R. ....C
Sievers, Hans ...QHI	Vickers, J.L. ....N	Knowlton, Millard N	Hubbell, H.H., Jr. ...B
Brookfield Center	Williams, H.B. ...NBA	Kurtz, A.K. ....IOA	Hunter, G.W., III. NF
Lenk, Walter S. ....C	Groton	Lasowsky, F.W. NpC	Keppel, David ....E
Cheshire	Morrisson, J.W. ....E	Mirsky, Aron L. MAB	Peoples, J.W. ....EM
Messer, W. Earl ...CA	Hadlyme	Mitchell, Alfred K. A	Phelps, Isaac King .C
Smith, C.S. ....MBL	Hamilton, Alice ....N	Moyle, H.B. ....HIN	Schneider, E.C. ...FN
Clinton	Hamden	Mylchreest, G.L. ...M	Slocum, Frederick .D
Carter, George S. FGO	Darrow, Daniel ....N	Newlands, J.A. ...CN	Stearns, Carl L. ....D
Ferris, H.B. ....FHN	Donleavy, John J. ...C	Osborn, S.H. ....N	Taylor, R.M. ....NI
McClelland, J.R. ....N	Dudley, S.W. ....MQ	Perkins, H.A. ....B	VanDyke, Karl S. ...B
Cornwall Bridge	Friend, Roger B. ....F	Pettee, C.L.W. ...C	Wendt, G.R. ....INQ
Clarke, W.C. ....QNO	Hull, Clark L. ....IQ	Prescott, B.D. ...NIF	Milford
Danbury	Leavenworth, C.S. ...C	Roberts, S.H. ....CN	Engle, James ....FGQ
Campbell, D.K. ....Nd	Murdock, G.P. ....HK	Saville, Caleb Mills M	Loosanoff, Victor FHN
Darien	Nims, L.F. ....CN	Shibley, Walter C. ...I	Naugatuck
Ashman, E.T. ....ABC	Onsager, Lars ...BCA	Steiner, Walter R. ...N	Meadors, V.G. ...CBM
Bachne, G.W. ...KMB	Shuttleworth, F.K. IQ	Swan, Horace C. ...N	Stiteler, Charles H. ...C
Burghart, Lloyd M. ...C	Workman, T.W. ...NOC	Troxell, E.L. ....EFO	New Britain
DeRemer, J.G. ....M	Hartford	Turner, Albert M. ...EK	Clark, H.D. ....MK
Durham	Altmaier, C.L., Jr. IQK	Veeder, C.H. ....M	Ferry, Frederick C. ...A
Clarke, Frances M. QIA	Beach, Charles C. ....N	Wheeler, K.M. ....N	Levine, Howard ...NCF
Eagleville	Bills, Marion A. ....I	Woodward, C.G. ....K	Narkiewicz, I.P. ...CN
Mason, Inez ....C	Bissonnette, T.H. FGN	Yergason, R.M. ...NHF	Rogers, D.C. ...IQK
	Blank, Arthur S. ...CB	Kent	Underhill, O.E. ....Q
	Burlingame, C.C. ...NI	Bauer, Frederick ...F	New Canaan
	Costello, H.T. ....IK	Woods, W.C. ....F	Bond, Miss Ray ...CB
		Litchfield	Rhoads, Alton L. ...BQ
		Kavanagh, A.J. ...AFG	Souther, B.L. ....CD
		Madison	Terhune, Wm.B. ...NI
		Harts, Wm.W. ....M	

New Haven

Allen, Edgar FN
 Anderson, R.P. CGO
 Angier, R.J. I
 Armstrong, F.T. E
 Baitzell, G.A. FG
 Bakewell, C.M. IK
 Ball, Stanley C. F
 Barber, Geo. W. F
 Barbour, H.G. N
 Barnes, T. Cunliffe . F
 Barney, Ida DA
 Barrett, L.B. GNDF
 Bartlett, C.J. N
 Bayne-Jones, S. N
 Beard, Raumon L. . F
 Behne, C. Edward . OG
 Belkin, Morris NF
 Bergmann, Werner . C
 Blake, Francis G. . C
 Blumer, George . N
 Boling, John L. . F
 Boveri, Mrs. M. . F
 Boyce, J.S. GO
 Brewster, F.F.
 Brinkley, Stuart R. C
 Bunting, Henry . NFD
 Burr, H.S. NF
 Cassidy, H.G. CFQ
 Castle, Hempstead . G
 Chittenden, R.H. . CN
 Clapp, Robert T. . OG
 Coe, Wesley R. F
 Cooksey, C.D. B
 Cooper, Frank L. . B
 Cowgill, G.R. NCF
 Cowles, Philip B. . N
 Cross, Hardy KPL
 Deubar, Carl G. GF
 De Vita, Joseph . N
 Dietrich, H.G. C
 Dodge, B.F. CMB
 Dorris, Frances . FCN
 DuBois, Delafield . MN
 Dunbar, C.O. E
 Dunn, Joseph L
 Duran-Reynals, F. . NGH
 Dusser deBarenne, J. NI
 Eaton, G.F. F
 Emmel, V.M. NF
 English, James, Jr. C
 Engstrom, H.T. A
 Evans, A.W. G
 Filley, W.O. O
 Fisher, Irving K
 Fitch, Frederic B. . ABI
 Flint, R.F. E
 Forbes, T.W. IKM
 Fry, Clements C. . NIH
 Fulton, John F. . NF
 Furnas, C.C. CBK
 Gagne, A.P. BMN
 Gambrell, B.L. OI
 Gardner, W.U. NFO
 Gesell, Arnold IQN
 Gilda, Edwin F. NI
 Gittleson, Miss Y. . I
 Graves, Henry S. . O
 Greenway, J.C. GN
 Grether, W.F. I
 Hamilton, J.B. NF
 Hamilton, John M. . F
 Harned, H.S. CB
 Harris, Benedict R. N
 Harrison, Ross G. . FN
 Hartman, L.A. LAB
 Hartshorne, Hugh . QIK
 Harvey, S.C. N
 Havemeyer, Loomis . H
 Hawley, Ralph C. . O
 Henderson, Yandell N

New Haven, Cont'd.

Hewitt, Miss C.B. . F
 Hill, Arthur J. C
 Hille, Einar A
 Hiscok, Ira V. NKQ
 Hitchcock, David L. C
 Hook, James W. . DKM
 Hooker, C.W. F
 Horsfall, James G. . G
 Horton, Donald H
 Hovland, C.I. IQP
 Hubbell, H.J. CFN
 Hubbell, R.B. CN
 Huntington, E. EKII
 Jacobson, H.G.M. . OG
 Jenkins, R.H. N
 Johnson, Carl E. . NF
 Jones, Donald F. . GO
 Kaufman, Miss C. . FHK
 Keach, De Witt T. . C
 Kennard, M.A. N
 King, Edward J. . C
 Knopf, Adolph . E
 Koenig, Samuel . KHQ
 Kovarik, Alois F. . BA
 Krynine, D.P. M
 Liebow, Averill A. . N
 Lippincott, S.W. . N
 Longwell, C.R. E
 Lutz, H.J. GO
 McCormick, Miss F.A. GO
 McKeehan, L.W. B
 Madison, Ryland . NC
 Man, Evelyn B. NFC
 Marquis, D.G. I
 Marshall, Clyde . FNH
 Marshall, Rush P. . G
 Mathewson, C.H. . CMQ
 May, Marka IQK
 Merriman, Daniel . F
 Miles, C.C. IHN
 Miles, Egbert J. . A
 Miles, Walter R. . I
 Moore, Underhill . KHI
 Morgan, M.F. OCG
 Morse, Arthur N
 Mowrer, O.H. I
 Murray, John H. . GEI
 Musselman, Luther . N
 Nahum, Louis H. . N
 Nicholas, J.S. F
 Northrop, F.S.C. . BAL
 Opton, Edward F
 Ore, Oystein A
 Osgood, Cornelius . HKI
 Oughterson, A.W. . N
 Page, Leigh B
 Parr, Thaddeus FO
 Paul, John R. N
 Peck, Robert L. . CN
 Peters, John P. . QC
 Petrunkevitch, Alex. F
 Pfeiffer, Carroll A. . F
 Pickford, Grace E. . F
 Pond, Miss Millicent I
 Poulson, D.F. F
 Powers, Grover F. . NCQ
 Rakieten, Nathan . FC
 Record, Samuel J. . GO
 Rettger, Leo F. G
 Rosahn, Paul D. . N
 Roselle, Ernest N. . O
 Rosen, W.B. ABC
 Rowell, Miss D.C. . QIG
 Rudnick, Miss D. . F
 Ruebush, T.K. FG
 Russo, J.D. F
 Schlesinger, Frank . D
 Schuchert, Charles . E
 Scott, Chas. F. M
 Sill, Miss Jane B. . IQK
 Sinnott, E.W. G

New Haven, Cont'd.

Slate, William L. O
 Smith, Emil L. CGF
 Smith, G.H. N
 Spaulding, Perley . G
 Spitzer, L.Jr. DBA
 Stone, L.S. NF
 Taylor, R.F. OG
 Thompson, Helen . INA
 Tilton, J. Warren . AI
 Tracey, J.I. AD
 Trask, James D. N
 Turner, H.M. MBC
 Uhler, Horace S. . BA
 Valley, George . NCO
 VanName, R.G. C
 Warren, C.H. E
 Waterman, A.T. . BDC
 Waterman, Miss A.M. . G
 Watson, W.W. B
 Whitehead, R.H. . M
 Wieland, G.R. EFG
 Wilhelm, A.E. N
 Winkler, Alexander . N
 Winslow, C.E.A. . N
 Winter, Floyd L. . OG
 Winternitz, M.C. . FL
 Woodruff, L.L. FL
 Yerkes, R.M. THF
 Yudkin, A.M. CFN
 Zeleny, John B
 Zentmyer, G.A. Jr . GO
 Zinn, Donald J. FG

New London

Avery, G.S., Jr. G
 Bindloss, Miss E. . G
 Bliven, Joseph E. . C
 Blunt, Katharine . C
 Botsford, Miss E.F. . FN
 Chaney, Miss M.S. . NC
 Creighton, H.B. G
 Dederer, P.H. F
 Gardner, John W. . I
 Hausman, Miss S.A. . F
 Kelly, Miss W. C
 Leib, David A
 McKee, Miss Mary C. C
 Miller, D.S. F
 Sanchez y Escribano, Federico LQK
 Seward, John P. I

New Milford

Woolley, Helen T. . IQ

New Preston

Kleiner, Israel S. . NC
 Newcomb, H.T. K

Noank

Danforth, R.E. FH

Norfolk

Walcott, F.C. KP

Northford

Smith, Clara E. A

Norwalk

Hill, George R. . CQF
 Powell, Thos H. BC

Old Greenwich

Brooks, B.T. C

Old Lyme

Kovalenko, M.S. DAO
 McCulloch, W.S. N
 MacCurdy, G.G. H

Orange

Whitney, Leon F. . FN

Pine Orchard

Doane, S.E. M
 Smith, G.M. N

Plainville

Cook, George NFG

Pomfret Centre

Brock, Henry M. . BLO
 Means, Philip A. . II

Ridgefield

Hitchcock, C.B. E

Riverside

Niedercom, J.G. . CNF

Rockville

Raisch, George F. . NFG

Sandy Hook

Roger, Henry ... BMN

Saugatuck

Tilden, Chas J. . MQ

Saybrook

Pratt, Alexander . III

Short Beach

Prickett, Cavett O. . NC

Somers

Key, W.E. FKQ

South Norwalk

Goldsbrough, W.E. . KBM

Kimball, Frank . CNB

Stafford Springs

Barrows, Miss F.L. . GNC

Stamford

Ayres, G.B. NCB
 Bacon, Jack C. C
 Bromley, Mrs. S.W. . GOQ

Cassady, Mrs. J.T. C

Dondlinger, P.T. . KPII

Felt, Ephraim P. F

Fisher, Harry L. C

Getman, F.H. BC

Hammes, M.J. M

Huntington, Miss E. . NFC

Jehle, Ferdinand M

Kreider, D. Albert . B

Moore, William . FO

Payne, Nellie M. . FCN

Roblin, R.O., Jr. CN

Rochow, T.G. CEB

Shepard, N.A. CBO

Stiegler, I.L.W. C

Stonington

Williams, C.M. . NOH

Storrs

Amundsen, J.L. C
 Bousfield, W.A. IN
 Brown, B.A. OCG

Bushnell, R.J. FG

Cheney, Wm. F., Jr. . ADE

DeCoursey, R.M. F

Dodge, Richard E. . E

Dorsey, Henry O

Ferguson, L.W. O

Gentry, C.B. QOI

Jorgensen, A.N. O

Jungherr, Erwin L. . N

Storrs, Cont'd.	Wallingford	West Hartford, Cont'd.	Wethersfield
Kulp, W.L. ....N	Crain, Jason ....ABD	Furniss, H.W. ....N	Stempa, Henry ....NC
Landauer, Walter ..F	Morris, Wm H. ....N	Guest, H.H. ....C	Wilton
Mackay, D.C.G. ....FIH	Pierce, A.L. ....M	Jaquith, H.C. ....IKL	Kellogg, Royal S. OEG
Mauter, J.A. ....F	Powell, P.H. ....MAB	McDonough, Sister M. ....IK	Winton, Kate B. ..GC
Schulze, A.F. ....FG	Waterbury	Rosa .....IK	Windham
Thigpen, Lorna W. ..F	Davis, A.L. ....MHK	Merrill, D.G. ....M	Ottenheimer, E.J. ..N
Tortey, G.S. ....G	Davis, E.H. ....K	Rogers, C.E. ....MDA	Windsor
Wallace, R.H. ....G	West Cornwall	Westport	LeCompte S.B., Jr., ..GCO
Stratford	Gold, T.S. ....OFG	Fraad, H.O. ....MNE	Morrill, A.W., Jr. ..F
Nikolsky, Alex. ....M	Kunkel, B.W. ....F	Fry, Henry J. ....FG	Winsted
Suffield	West Hartford	Ham, Mrs. E.S. ....N	Bond, F.D. ....KB
McComb, Emily E. ..N	Crossley, F.T. ....M	Palmer, R.N. ....BCM	
Norton, John Pease ..K	Cunningham, J.M., ..NIH	Pascal, H.S. ....NO	
Torrington	Emeison, E.I. ....CN	Sproat, Ira E. ....MEP	
Upson, W.L. ....MQ		Sterling, Edward C. ..C	
		von Phul, Wm. ....M	
		Wadsworth, D.L. DGF	

DELAWARE

Dover	Newark, Cont'd.	Wilmington, Cont'd.	Wilmington, Cont'd.
Hanson, H.H. ....CGF	Robinson, W.J. ....G	duPont, Pierre S. ....P	Perry, John H. ....CM
Farmhurst	Spencer, R.L. ....M	Ford, Miss F.M. ....C	Power, J.T. ....CBA
Jastak, Joseph ....IQ	Still, Esther D. ....GF	Foulger, John H. ....NBC	Ries, E.D. ....CM
Lawrence, B.G. ....NIK	Richardson Park	Given, Guy C. ....CPM	Rose, Henry E. ....CP
Marshallton	Kauffman, G.E.C. BCD	Hanford, W.E. ....CM	Rose, Robert E. ....CO
Kraemer, E.O. ....CB	Westover Hills	Holbrook, G.E. ....CM	Rossander, S.S. ....CMN
Newark	Gladding, E.K. ....CEN	Humphrey, L.W. ....CGE	Salisbury, L.F. ....CON
Crooks, Ezra B. ....KIH	Wilmington	Jackson, W.F. ....C	Schupp, O.E. Jr. ....CB
Detjen, L.R. ....OG	Bartlett, E.P. ....CE	Jones, F.M. ....F	Segel, Joseph ....MBC
Drake, Miss O.C. ....CN	Brown, H.F. ....C	Jordan, Henry ....CN	Sikorski, J.L. ....NCI
Dyer, Elizabeth ....C	Brubaker, M.J. ....CNF	Katz, David ....ABC	Smith, Julian F. ....C
Fischer, A.J. ....NCB	Callahan, M.J. ....CBL	King, Kenneth T. ....C	Starkweather, H.W. ..C
Graustein, J.E. ....NCB	Carter, A.S. ....CO	Krebs, A. Sonnin ....M	Tanberg, A.P. ....C
Greenwald, D.U. ....MI	Chambers, A.D. ....C	Lawson, W.E. ....C	Tanner, H.G. ....CBE
Harris, H.C. ....OGC	Chilton, T.H. ....CM	Lenher, Samuel ....CB	Tatnall, R.R. ....GMB
Houghton, F.C. ....GF	Chubb, John E. ....MA	Lincoln, E.E. ....K	Taylor, Guy B. ....C
McCue, C.A. ....FGO	Clark, John A. ....M	Lippert, A.L. ....C	Tinker, J.M. ....CMP
McDonald, Ellice ....N	Dietz, Harry F. ....F	Lontz, John F. ....C	Tisdale, W.H. ....G
McDougle, Miss E.A., ..AB	Dodge, Ralph L. ....CBM	McDermott, F.A. ....C	Whitten, R.K. ....CMB
Manns, T.F. ....G	Dreyer, Nicholas B. NC	Morris, Harold H. ....C	Whitten, W.M. ....CKG
Oberlin, K.W. ....I	duPont, Irenece ....P	Moss, Lowell R. ....C	Wills, W.A. ....MCE
		Mueller, A.C. ....CMB	Woodward, H.E. ....C
		O'Leary, D.K. ....G	Worthington, H. ....MC
		Ott, Emil ....C	Wuertz, A.J. ....C

DISTRICT OF COLUMBIA

Washington	Washington, Cont'd.	Washington, Cont'd.	Washington, Cont'd.
Aamodt, Olaf S. ....OG	Bacon, C.W. ....CGO	Bickel, Beatrice ..HN	Brockett, Paul ....BH
Abbot, Charles G. ....DB	Bain, Henry F. ....G	Binford, H.F. ....MBA	Brooks, Charles ....G
Abegg, Fred A. ....GO	Baker, Charles S. ....K	Bishop, C.W. ....HLE	Brown, Alice L. ....FCN
Abel, James F. ....IQ	Baldwin, Mark. ....OEG	Bittinger, Charles ..B	Brown, Miss I.C. ....HK
Ableiter, J.K. ....OEG	Ball, Carleton R. OGK	Blackman, M.W. ....F	Brown, Miss N.A. ....G
Acree, Mrs. E.G. ....N	Barber, H.G. ....F	Blakely, Charles F. ....C	Brown, Roland W. ....E
Acree, Mrs. R.J. ....GO	Barber, Herbert S. ....F	Bliss, R.W. ....KIL	Browne, C.A. ....C
Adams, L.H. ....C	Barnett, Miss C.R. OFG	Bloedorn, W.A. ....N	Browne, L.McD. ....C
Adams, Numa P.G. NC	Barre, Henry W. ....GO	Blum, H.F. ....NFB	Brumbaugh, Miss Z.B. ....CBF
Adams, Oscar S. ....ABE	Barris, Ralph W. ....N	Blum, William ....C	Buck, Solon J. ....L
Aldrich, Loyal B. ....BD	Barrows, A.L. ....F	Boas, Auguste ....CN	Bundick, Miss H.E., ..QFD
Alexander, Lucy M. ....C	Barss, H.P. ....GO	Bomhard, Miriam L. G	Bunting, E.N. ....BC
Allison, F.E. ....CGN	Bartsch, Paul ....F	Boher, L.E. ....C	Bunton, Paul B. ....E
Alpher, Isadore M. ....N	Barwick, Arthur R. DE	Borgstrom, Parry CO	Burbank, W.S. ....E
Andersen, Miss A.M. G	Bashore, Harry W. MO	Bourland, L.T. ....BM	Burda, Francis X. ....B
Anderson, A.C. ....O	Bassler, Ray S. ....EFG	Bowman, Paul W. ....GF	Burlew, John S. ....CB
Anderson, M.S. ....CO	Bates, P.H. ....C	Bradley, Mary A. FGO	Burton, H.E. ....DAB
Anderson, M.B. ....NF	Bates, Roger G. ....C	Bradley, W.H. ....E	Bush, Vannavar ....M
Andrews, David A. ....E	Beal, W.H. ....CO	Bradt, Paul ....ABC	Bushnell, D.I. Jr. ....H
Armstrong, Charles ..N	Beass, Miss Esther K. G	Brand, Charles J. CGK	Byington, L.B. ....NFE
Arnaud, Miss E. ....CEI	Beckwith, Miss A.M. G	Brandt, A.E. ....KOF	Callis, H.A. ....NK
Arnau, Joseph J. BDC	Beckedahl, Norman C	Branham, S.E. ....NFC	Callvery, George J. ....NC
Ash, J.F. ....N	Beil, Mrs. C.J. ....C	Breen, Miss M.C. QEF	Campbell, R.S. ....GFO
Ashby, Winifred M. ....N	Bell, E.J. Jr. ....KOG	Breg, W.Roy ....O	Capps, Brother E.R., ..FNO
Atwater, Miss H.W., ..KO	Bell, William E. ....F	Brickwedde, F.G. BCA	Cardon, P.V. ....OK
	Bengtson, Ida A. ....N	Briese, R.R. ....CBO	Carl, Howard F. ....BDC
	Bennett, R.II. ....MA	Briggs, Lyman J. ....B	
Auchter, E.C. ....GO	Bernstein, B. ....GFC	Brimlyer, G.J. ....FHN	
Avers, H.G. ....MDE	Bernton, H.S. ....NOC	Brimhall, Dean R. ....I	
Back, Ernest Adna ..F	Beum, C.O., Jr. ....MTK	Britt, S.H. ....IK	
Backus, Cyrus D. MBA			

- Washington, Cont'd.**
 Carter, HughKHI
 Cash, Miss E. K.G
 Cash, Miss L. C.OG
 Cattell, WareFB
 Chambers, M. M.QKL
 Chambliss, C. E.FGO
 Chapline, W. R., Jr.GO
 Charles, Miss V. K.G
 Chase, Mrs. AgnesG
 Chase, F. M.G
 Chase, H. Y.FN
 Chatfield, C.CAO
 Cheney, W. L.B
 Christie, A. C.N
 Christie, J. R.F
 Churchill, W. S.F
 Clark, A. H.F
 Clark, J. AllenO
 Clark, K. G.CMO
 Clark, Mrs. L. F.L
 Clarke, John J.F
 Clarke, W. F.C
 Clausen, Curtis P.F
 Clayton, Edward E.GO
 Cobb, W. M.HNI
 Coblentz, W. W.BD
 Coe, Fred O.N
 Coe, Mayne R.C
 Coffman, F. A.OFG
 Colcord, Miss M.FOG
 Collier, F. W.IO
 Collingwood, Harris O.G
 Collins, Elmer E.NF
 Collins, Henry B., Jr.H
 Collins, W. D.CE
 Colton, F. B.E
 Commins, W. D.IO
 Compton, WilsonKBM
 Conger, Paul S.FG
 Coniff, Father A.FG
 Conn, Nathan A.MBC
 Connolly, C. J.FH
 Cook, Orator F.GOO
 Cooke, C. WytheE
 Cooley, J. S.G
 Cooper, G. ArthurE
 Cooper, John M.HK
 Cooper, Stewart R.C
 Coppola, VincenzoM
 Corse, W. M.MC
 Cottam, ClarenceFG
 Cottrell, F. G.C
 Coulson, E. JackCN
 Coulter, A. BarklieN
 Cover, John H.K
 Coyle, David C.M
 Craighead, F. C.F
 Cram, Miss E. B.FN
 Crandall, Bowen S.OG
 Creel, Cecil WillisO
 Creswell, George W.N
 Crider, F. J.GO
 Crittenden, E. C.BM
 Croxton, Fred C.K
 Crozier, WilliamKM
 Crum, R. W.MK
 Cruse, A. W.MBA
 Cullinan, F. P.OG
 Cummings, H. K.BC
 Cuniff, Miss H. S.OGE
 Curtiss, L. F.B
 Dante, John H.EF
 Darnall, J. R.N
 Darton, Nelson H.E
 Davidson, JehielCO
 Davis, Dorland J.N
 Davis, H. S.F
 Davis, R. O. E.CBO
 Davis, WatsonM
 Dayton, William A.G
 Dean, H. TrendleyNd
 Dean, Horace S.N
 Deignan, S. L.N
- Washington, Cont'd.**
 Delano, FredericaM
 Dewey, Lyster H.GO
 Dickinson, H. C.B
 Dickson, A. M.KO
 Diehl, WilliamG
 Diller, Jesse D.GOH
 Dillman, Arthur C.GO
 Diodok, Samuel M.MKI
 Donovan, John E.C
 Dorsey, H. G.F
 Dorsey, N. ErnestBAN
 Douglas, CharlesBA
 Doyle, Mrs. M. H.OEG
 Dreis, Miss T. A.IHK
 Driscoll, Miss C.BDA
 Drury, H. F.NFG
 Dryden, Hugh L.B
 Dunbar, R. C.ACD
 Duncan, G. S.HIL
 Dunn, H. L.KN
 Dunn, Matthew A.N
 Dunn, W. LeRoyN
 Duvel, Joseph W. T.OG
 Dyer, Helen M.NC
 Dyer, EugeneNPH
 Eberle, Eugene G.CN
 Eddy, Bernice E.NCF
 Eddy, Nathan B.Np
 Edson, H. A.GC
 Edwards, Harry T.GO
 Edwards, L. N.MEQ
 Elliott, CharlotteG
 Ellis, George R.Nd
 Ellis, Ned R.NCO
 Elward, Joseph F.N
 Emery, Alden H.CEM
 Emery, William O.C
 Emmart, E. W.FN
 Emmons, C. W.GN
 Erwin, Henry P.HEF
 Ethridge, C. B.N
 Evans, Miss Alice C.N
 Everett, Edward L.CN
 Ewerhardt, PaulNIK
 Ewing, Henry E.F
 Fairhall, L. T.C
 Falk, I. S.NK
 Fay, Allan B.MAC
 Fee, JeromeM
 Feiker, F. M.M
 Feistein, MiltonAMB
 Felton, Lloyd D.NC
 Fennessey, Sister St. J.CBN
 Filkins, Silas L.N
 Fischer, Richard P.E
 Fischer, WalterOKG
 Fitch, Mary A.G
 Fitz Hugh, O. G.Np
 Fletcher, C. C.OC
 Flodin, JohnM
 Fort, Charles A.CO
 Foster, M. D.CE
 Foust, Miss F. K.GF
 Fowler, Marvin E.G
 Fracker, S. B.FG
 Fradkin, W. S.CAF
 Frank, BernardOKG
 Frankfurter, F.KL
 Frazier, E. F.K
 French, Owen B.MD
 Friedmann, H.FGE
 Friedman, M. H.N
 Fries, Amos A.DKL
 Frisbie, W. S.CN
 Fromme, Fred D.G
 Fuchs, W. BarrettFGE
 Fulcher, G. S.B
 Fulton, H. R.GO
 Furley, Paul H.IKQ
 Gafaeur, Wm.NA
 Gaillard, D. P.K
 Galtsoff, Paul S.F
- Washington, Cont'd.**
 Gardner, Miss JuliaE
 Garner, Clement L.E
 Garner, W. W.GCO
 Geary, James A.LH
 Geltner, CarlM
 Gibson, K. S.BDE
 Gilbert, W. M.QE
 Gilbert, W. W.G
 Gilchrist, RaleighCO
 Gile, PhilipBAE
 Gish, Oliver H.BAE
 Givens, Willard E.OK
 Goldberg, M.ABM
 Goldman, E. A.FG
 Goldman, M. I.NF
 Gooch, Miss M.NF
 Gould, H. P.OGF
 Graf, J. E.F
 Graham, JamesQFG
 Grassi, CarloG
 Gravatt, Mrs. A. R.O
 Graven, Philip S.KON
 Gray, S. D.COP
 Griffin, Edward L.C
 Griffin, S. W.CGO
 Griggs, Robert F.G
 Grosvenor, GilbertE
 Grubbs, Robert C.NF
 Grunwell, G. B.MKE
 Guthrie, John D.O
 Haber, DavidBA
 Hadley, Ernest E.N
 Hagan, Miss M. W.NKI
 Haig, I. T.O
 Hain, Elmer L.M
 Haines, GeorgeOFC
 Hall, Roscoe W.NB
 Hall, Wallace L.CBG
 Hallauer, F. J.MGO
 Haller, H. L.C
 Hamer, Walter J.CAB
 Hamilton, W. M.AD
 Handley, F. Jr.N
 Hankins, O. G.FO
 Hansborough, L. A.F
 Hansen, Ira B.FN
 Harding, Miss F. M.KON
 Harding, T. S.OFC
 Hardy, J. L.OFC
 Harlan, Harry V.O
 Harley, James L.FGO
 Harned, R. W.FOO
 Harradon, H. D.B
 Harris, MiltonCN
 Hartley, C. P.GOO
 Hartman, OlgaF
 Haskell, Earl S.OKP
 Haskell, R. J.G
 Hastings, S. H.O
 Hawkesworth, A. S.A
 Haworth, EllisCB
 Haynes, Miss M. E.GOF
 Headley, RoyIK
 Heck, N. H.MEB
 Hedges, Miss F.G
 Hegarty, C. P.CNO
 Hein, M. A.OGC
 Heinrich, CarlF
 Hektoen, LudvigN
 Henbest, Lloyd G.E
 Henderson, E. P.ECM
 Hepler, JosephF
 Herbert, Miss M. N.FGO
 Herzfeld, Karl F.BCA
 Hess, Frank L.CN
 Hess, Walter C.E
 Hewett, D. F.E
 Heyl, Paul RennoB
 Higgins, M. E.KON
 Hilbert, Guido E.CG
- Washington, Cont'd.**
 Hildebrand, S. F.F
 Hillman, C. C.N
 Hird, John D.CNP
 Hirsch, N. D.FIK
 Hoch, Charles W.GFC
 Hodges, F. AllenG
 Hodgkins, G. W.QIK
 Holland, Miss D. F.NK
 Holm, George E.C
 Hooker, William A.O
 Horn, Alan R.M
 Hough, Francis Z.CMP
 Howard, Burton J.CG
 Howard, Charles S.CE
 Howard, L. O.FNO
 Howe, H. E.C
 Howe, Paul E.CNO
 Howell, L. D.KO
 Howes, Edward L.N
 Hrdlicka, AlesH
 Hubbard, DonaldC
 Huettig, H. G., Jr.C
 Hulbert, E. O.B
 Humphrey, H. B.G
 Humphreys, W. J.BD
 Hunt, Miss ThelmaI
 Hunter, Oscar B.N
 Hurst, Julius H.HN
 Ingberg, S. H.MBA
 Irish, Oliver J.NCF
 Jackson, H. H. T.FQ
 Jamieson, George S.C
 Jardine, James T.GO
 Jenkins, Anna E.G
 Jenkins, George B.FN
 Jenkins, Merle T.OG
 Jenks, Glen F.MKB
 Jodrid, S. L.DCG
 Joerg, W. L. G.EK
 Johnson, Aaron G.G
 Johnson, E. C.KOD
 Johnson, J. MonroeM
 Johnson, Joseph L.N
 Johnston, Earl S.GB
 Johnston, Francis A.F
 Jones, D. BreeseNC
 Jones, J. W.O
 Jones, J. LeslieBC
 Jones, Miss M. F.FN
 Jones, Victor H.E
 Judd, C. H.IQ
 Judd, Neil M.II
 Judson, Lewis V.B
 Just, E. E.F
 Kane, Howard F.N
 Kang, Run PoMBA
 Karger, Miss T.N
 Karpman, B.NKF
 Karrer, A. M. H.G
 Kates, K. C.FG
 Kaufman, PaulIKL
 Kauffmann, Miss G.CN
 Kear, Frank G.MA
 Kearney, Thomas I.G
 Kebler, Lyman F.CNI
 Keenan, George L.CG
 Keith, ArthurE
 Kellogg, C. E.OEC
 Kelly, E. F.NpC
 Kelsner, Raymond A.N
 Kempf, Grover A.N
 Kerbey, McFallEK
 Key, Miss Cora B.I
 Kieck, C. C.DB
 Killip, E. P.GE
 Kincer, J. B.E
 King, H. D.MBE
 Kinnear, E. R.MOA
 Kirk, EdwinE
 Kirk, Miss M. M.C
 Kirkland, Burt P.O

Washington, Cont'd.

Klinefelter, T.A. HLE
 Klump, Theodore G N
 Knechtel, M.M. E
 Knight, H.G. OC
 Knight, H.L. O
 Koppansy, T. FNP
 Kosschmann, A.H. E
 Kossakoff, A.I. C
 Kraft, C.F. M
 Kraskin, Lewis H. NC
 Kunz, Walter B. CBA
 Kyle, Curtis H. GO
 Ladd, Harry S. EF
 Lamb, R.S. NH
 Lambert, W.D. ABE
 Lang, W.B. EBM
 Langenstrass, K.H. N
 Latham, W.B. OK
 Larkin, Sister J. FGN
 Larimer, W.H. FGN
 Lattman, Isidore N
 Laug, Edwin P. C
 Lauitzen, J.I. G
 LeClere, J.A. COG
 Leese, Chester E. N
 Leimbach, L.R. C
 Leland, Waldo G. L
 Leonard, Emery C. G
 Leonard, L.T. OGC
 Lewis, David J. BH
 Lewis, Mrs. I.M. DAB
 Ligon, E.W., Jr. NF
 Likert, Rensis IIK
 Littell, Frank B. DA
 Littlehales, G.W. DEM

Loftin, U.C. FO
 Lohman, K.F. EBF
 Long, Howard H. I
 Loomis, Charles P. KO
 Loomis, Henry M. C
 Lorenz, Roland C. GO
 Lorimer, Frank K
 Loughlin, G.F. E
 Lowdermilk, W.C. G
 Ludwig, C.A. GO
 Lunn, E.G. CB
 Lyle, S.P. OM
 Lyon, J.A. N
 McAdam, D.J., Jr. MBC

McAllister, A.S. MBQ
 McCall, A.G. CGO
 McCauley, D.V. IN
 McClellan, W. M
 McClelland, H.M. MB
 McComas, E.W. OKM
 McComb, H.E. BCE
 McCubbin, W.A. G
 McDaniel, A.S. CG
 McDarmont, C. DHL
 McDonald, W.F. BE
 McDonnell, C.C. CFG
 McDuffie, Mrs. I.T. FG
 McGovern, J.P. CP
 McGuire, C.E. KLP
 McGuire, J.W. EIL
 McHale, Kathryn QIH
 McHenry, D.E. FG
 McIntosh, Allen F
 McLaren, James CBG
 McMurtrey, J.E. GCO
 McNally, Paula DAB
 McPhee, Hugh C. FGO
 McPherson, A.T. C
 Magistad, O.C. CO
 Magnusson, Leifur K
 Mallory, W.J. N
 Mann, C.R. BQ
 Manning, H.M. N
 Mansfield, G.R. E
 Marlatt, C.L. FKO

Washington, Cont'd.

Marmer, H.A. EMA
 Marsh, F.W. COG
 Martel, Charles LKI
 Martin, J.F. FGO
 Martin, J.M. FIN
 Martin, John H. O
 Martin, Laura H. O
 Marvin, Charles F. BE
 Mason, A.H. DM
 Matlack, M.B. CG
 Matthes, F.E. E
 Matz, Julius G
 Maxon, William R. G
 May, F.H. FGE
 Mayer, Joseph KLA
 Meenes, Max IHN
 Megges, W.F. BD
 Meizer, O.E. E
 Melvin, Bruce L. K
 Merriam, John C. EF
 Merrill, M.C. GOC
 Merz, Albert R. C
 Metz, Sister A.M. BCA
 Meyer, Eugene B
 Meyer, J. Franklin B
 Miller, A.W. NO
 Miller, G.S., Jr. F
 Miller, Howard S. MB
 Miller, K.E. N
 Miller, Lula A. GFO
 Millsaps, Vera GF
 Milone, Henry S. CN
 Miser, H.D. E
 Mitchell, Charles L. E
 Mitchell, Hugh C. D
 Mitman, Carl W. M
 Moffit, Fred H. E
 Mohler, Fred L. B
 Moore, Paul C
 Moore, Riley D. HNK
 Moore, Thomas V. I
 Morehouse, A.D. MEO
 Morgan, Herbert R. D
 Morrison, B.Y. OG
 Morrison, Harold C
 Mosettig, Erich CN
 Moulton, F.R. AD
 Moulton, Harold G. K
 Muesebeck, C.F.W. F
 Munns, E.N. GOE
 Munsell, Hazel E. C
 Musgrave, Geo. W. O
 Musil, Miss A.F. G
 Myer, Walter E. K
 Myers, C.S. CN
 Naeser, Charles R. C
 Nagy, Stephen D
 Nelson, Elmer M. CO
 Neustadt, M.H. CO
 Nevins, Ruby QI
 Newhouse, L.R. NCB
 Nickerson, Miss D. BIO

Nikiforoff, C.F. O
 Nixon, Alfred F. FGO
 Northrop, J.D. EMH
 Nutting, P.G. ABC
 Oberholser, H.C. FE
 Odiorne, J.M. FN
 Olmstead, L.B. BO
 Olson, Henry W. F
 O'Neill, Helena IHN
 O'Neill, Hugh T. G
 Oppenheimer, E. NKH
 Orange, J. FCG
 Orr, Leslie W. FCG
 Osgood, Wm. R. MQA
 O'Toole, G.B. F
 Ottinger, Miss B. N
 Overholser, W. N
 Packard, C.M. NF
 Packchianian, A. NFC

Washington, Cont'd.

Palkin, Samuel C
 Palmer, Arthur W. C
 Palmer, Theodore S. F
 Parent, Joseph D. CM
 Parker, Mrs. B.M. LOF
 Parker, Charles S. G
 Parker, H.C. CBM
 Parker, J.C. C
 Parker, J.B. FG
 Parr, Leland W. NH
 Parrott, Robert P. B
 Parsons, C.L. C
 Patterson, W.D. ME
 Pawling, Jesse DAB
 Payne, John Howard
 Peacock, Fred L. ME
 Pearson, Norma L. G
 Pease, V.A. GCO
 Petersen, T.C. LH
 Petrullo, Luigi IKH
 Phillips, Frank M. KO
 Pienkowsky, A.T. B
 Piggot, C.S. CBE
 Pillsbury, H.C. N
 Pittman, Margaret N
 Poindexter, H.A. N
 Poland, W.B. KME
 Pope, Merritt N. GO
 Potter, Charles H. C
 Prescott, B. CN
 Price, Emmett W. FN
 Proffitt, Max J. CMF
 Putnam, George R. M
 Rabak, Frank CG
 Raines, M.A. GFO
 Rand, F.V. GOF
 Rands, R.D. GO
 Rappleye, H.S. A
 Rappolt, John C
 Rauth, J. Edward IH
 Rawlins, G.M., Jr. CBG
 Reading, O.S. MK
 Reed, John A. N
 Reed, John B. C
 Reed, O.E. O
 Reed, Paul Lyon KM
 Rees, Charles W. NF
 Reeves, Floyd W. QIK
 Rehder, Harald A. FE
 Reid, M.E. G
 Remley, R.D. CL
 Remmlen, M.K. IKO
 Reynolds, D.S. CBM
 Rice, Francis O. C
 Richards, R.W. EM
 Richmond, W.V. I
 Ricker, M.G. FG
 Ricker, P.L. FG
 Riggs, Charles E. N
 Riley, Wm. G. ADC
 Roark, R.C. C
 Roberts, F.H.H. H
 Roberts, H.S., II BC
 Roberts, Richard B. B
 Robertson, A.J. D
 Robinson, W.O. OC
 Roe, Joseph H. CN
 Rohde, George FGB
 Rolbiecki, John J. FGI
 Romaine, Jesse D. OGC
 Rones, Benjamin N
 Rooney, W.J. MB
 Rosander, A.C. IOK
 Rose, John Kerr EKO
 Ross, Julian Waldo N
 Rossin, F.D. CB
 Rossman, Joseph C
 Roth, George B. Np
 Rothermel, J.J. BIO
 Rothery, J.E. MOE
 Rouzitsky, P.M. KME

Washington, Cont'd.

Rowse, Roger C. MEA
 Rubey, W.W. E
 Ruch, G.M. IO
 Rudd, Miss V.E. GEO
 Ruediger, W.C. IO
 Russell, Carl FLH
 Ryan, Alden H. I
 Sackett, Robert See B
 Salmon, S.C. O
 Sanders, Joseph BMK
 Sandhouse, Grace F
 Sando, W.J. OG
 Sasscer, E. Ralph F
 Sasuly, Max KAB
 Saylor, L.W. FG
 Sayre, A. Nelson E
 Schaller, W.T. CEM
 Schell, Edward J. CO
 Schertz, F.M. CM
 Schmeckebier, L.F. KLE
 Schmidt, A.F.W. LH
 Schmitt, Waldo L. F
 Schoening, H.W. NO
 Schreiner, Oswald CGO
 Schule, Paul A. N
 Schultz, L.P. FGC
 Schultz, Mark P. NHL
 Schureman, Paul E
 Schwartz, B. FN
 Scofield, Carl S. GEO
 Scott, Arnold H. B
 Scott, Leo W. CAB
 Searle, Mrs. H.R. F
 Sedky, Abdalla CGO
 Seeger, R.J. BL
 Seidell, Atherton C
 Setzler, F.M. H
 Shackelford, Miss Laura B
 Shankland, S.D. Q
 Shantz, H.L. G
 Shappiro, Sol CM
 Sharpe, C.F.S. E
 Sharple, C.L. I
 Shea, J.P. IOK
 Shear, C.L. GLO
 Shelton, G.R. AM
 Shepherd, W.T. IKO
 Shoemaker, C.R. F
 Sickman, D.V. C
 Siddons, F.P.H. C
 Silk, J.F. NFI
 Silk, Samuel A. NIH
 Silsbee, Francis B. BM
 Simmons, C.S. OEC
 Simmons, James S. N
 Sims, Ivan H. FGO
 Skelley, Sister C.J. FGH
 Smith, Francis A. CB
 Smith, Harold H. GF
 Smith, H.A. KOL
 Smith, Hugh M. FN
 Smith, James E. MQ
 Smith, Lloyd E. CF
 Smith, Lybrand MBA
 Smith, M.I. Np
 Smith, Nathan R. NG
 Smith, P.S. E
 Smith, Paula A. EM
 Smith, Miss S.L. CNK
 Smith, Ward E
 Smither, F.W. CM
 Snodgrass, R.E. F
 Sohon, F.W. B
 Sokolove, Henri K
 Sollenberger, Paul D
 Souder, Wilmer CN
 Sparhawk, W.N. OK
 Spence, Litter E. GEO

- Washington, Cont'd.**
 Spencer, A.C. E
 Spencer, D.A. OFG
 Spencer, H.B.
 Staack, J.G. ME
 Stadnichenko, Miss Maria E
 Stadnichenko, T. CE
 Stang, A.H. B
 Stanton, T. Ray O
 Stanton, T.W. E
 Steele, J.G. OE
 Steinberg, R.A. G
 Steiner, Gotthold FG
 Steiner, R.L. MK
 Stejneger, Leonhard F
 Stephenson, E.B. B
 Stephenson, L.W. E
 Stevenson, J.A. G
 Steward, J.H. H
 Stewart, Andrew C
 Stewart, G.R. O
 Stewart, Morris A.
 Stimson, Harold F. B
 Stirling, M.W. HI
 Stitt, E.R. N
 Stockberger, W.W.
 GKO
 Stokes, A.P.D. GEO
 Stokley, James DLB
 Stone, Alan FN
 Stone, Miss R.E. KLH
 Storey, Arthur OGF
 Stowell, H.T. CB
 Straus, Mrs. M.W.
 Strauss, Samuel FG
 Striker, M.M. OE
 Sullivan, M.X. CNO
 Sumner, F.C. IK
 Sumwalt, M. NF
 Swanton, J.R. H
 Swick, C.H. EMD
 Swingle, W.T. GLO
 Sykes, James B.
- Washington, Cont'd.**
 Tapke, V.F. G
 Taylor, A. Hoyt B
 Taylor, Alfred E. C
 Taylor, T.W. KO
 Taesch, C.F. KLF
 Thom, Charles G
 Thom, Miss E.M. EG
 Thompson, C.H. QI
 Thompson, D.G. E
 Thompson, S.H. F
 Thone, F.E.A. G
 Thonithwaite, C.W. EGH
 Tilden, Evelyn B. CFN
 Tilley, F.W. NC
 Tilton, L.W. B
 Titus, Harry W. NCB
 Tolle, Chester D. CNO
 Tolley, Howard R. K
 Tomlinson, J.B. CB
 Tool, Arthur G. BM
 Townsend, J.G. NH
 Trask, Parker D. E
 Trayer, Geo. W. M
 Tryon, F.G. EK
 Tuckerman, L.B.
 BMA
 Tulane, Victor J. CNF
 Turrentine, J.W. COK
 Tuve, Richard L. CBN
 Uhland, R.E. OC
 Underhill, R.M. H
 Usilton, Miss L.J. K
 Valentine, A.W. N
 Van Dine, D.L. FO
 Van Evera, B.D. CB
 Van Meter, Miss M.G. G
 Van Orstrand, C.E. ABD
 Varela, A.A. BM
 Varela, E.A.
 Vaughan, T.W. E
- Washington, Cont'd.**
 Vedder, E.B. N
 Vigness, C. Irwin BNM
 Vinal, G.W. BC
 von Huhn, R. KMA
 von Oettingen, W.F. CN
 Vos, Bert J., Jr. Np
 Wade, J.S. FOG
 Wadley, F.M. F
 Wart, G.R. B
 Walcott, Mrs. C.D. EG
 Walker, Egbert H. G
 Walker, Percy H. C
 Walton, G.P. CFO
 Walton, W.R. F
 Warburton, C.W. O
 Ward, Henry P. BC
 Ward, Paul Wm. QKI
 Ware, J.O. O
 Warner, E.P. KME
 Warren, Walter C. E
 Washington, A.H. QIK
 Waterman, F.A. NF
 Waters, C.E. O
 Watts, Chester B. D
 Weaver, E.R. C
 Webb, J.L. FNO
 Webb, Robert W. G
 Webster, J.C. BMQ
 Wedel, Waldo R. H
 Weida, F.M. AKB
 Weidenhammer, L. CQ
 Weintraub, R.L. GCN
 Weiss, Freeman G
 Welch, Ernest R. MQ
 Weller, G.L., Jr. N
 Wells, R.C. CE
 Westover, H.L. O
 Wetmore, A. F
 Wheeler, Lynde P. B
 White, Richard P. G
 White, W.C. N
- Washington, Cont'd.**
 White, W.H. F
 Whitmore, E.R. NFC
 Whitney, P.C. MEI
 Whittaker, C.W. CO
 Wiebe, Gustav A. OFG
 Wiley, Frank H. NC
 Williams, J.S. E
 Williams, O.B. NG
 Williams, P.J. FGO
 Wills, E.V. LOK
 Wilson, M.B. HTN
 Wilson, R.H., Jr. DAB
 Wiltse, C.M. KLI
 Winkler, Joel G. OGE
 Wirt, J.L. L
 Wolfe, Allan Scott I
 Wolk, I. Louis CPK
 Wood, Miss Jessie L. G
 Woodbury, C.G. OGF
 Woodbury, R.M. KHI
 Woodley, Sam
 Woodard, E.W. ABD
 Woodring, W.P. E
 Woodward, T.E. O
 Wooten, Elmer O. OG
 Wright, F.E. E
 Wright, R. Claude GO
 Wulf, Oliver R. BCI
 Wylie, Lloyd R. D
 Yanovsky, Elias C
 Yater, Wallace M. N
 Yocum, L. Edwin G
 Young, Donnell B. F
 Young, M.W. NKF
 Young, Robert A. KGO
 Youngblood, B. GO
 Zemet, Carlo FGO
 Zeleny, L. CGF
 Zeller, John H. OK
 Zies, E.G. BCE
 Zoch, R.T. B
 Zwilling, Max AB

FLORIDA

- Belle Glade**
 Bregger, Thomas FGO
 Neller, J.R. OCG
- Bradenton**
 Everett, M.H. NCB
 Hay, W.P. CFG
 Reynolds, G.D. OCG
- Brewster**
 Mead, Harry L. M
- Clermont**
 Olivenbaum, J.E. NM
- Clewiston**
 Scharnberg, H.J.B. M
- Cocoa**
 Beal, J.H. CGN
- Coconut Grove**
 Andrews, H. MDE
 Fairchild, D.G. GO
 Loomis, H.F. OFG
 McClelland, T.B. OG
 Mershon, Ralph D. M
- Coral Gables**
 Meyer, Max F. IO
 Miller, E. Norton FG
 Pearson, Jay F.W. FG
 Sieplein, O.J. CBO
- Davenport**
 Floyd, Bayard F. GO
Daytona Beach
 Henderson, C.H. BEQ
 Longstreet, R.J. GF
 Steiger, George CE
 Stickney, G.H. BM
- De Land**
 Allen, Ezra FGN
 Leete, F.D. LEF
 Smith, Cornelia M. GF
 Vance, C.B. EBA
- Eagle Lake**
 Drew, Mrs. G.A. F
- Englewood**
 Bass, John F., Jr. F
 Grimmer, J. Lear FNG
- Eustis**
 Henriksen, H.C. CGO
- Fort McCoy**
 Lisk, Henrietta G
- Fort Myers**
 Judd, George E. O
- Gainesville**
 Allison, Robert V. CG
 Berger, E.W. FG
- Gainesville, Cont'd.**
 Blackmon, G.H. O
 Bless, A.A. BAC
 Brannon, Melvina G
 Byers, C. Francis F
 Carroll, W.R. GNO
 Coghill, George E. F
 Dostal, B.F. ABD
 Drosdoff, Matthew O
 Emmel, M.W. NO
 Gaddum, Leonard W. C
 Gratz, L.O. GO
 Hawkins, J.E. CMQ
 Hinckley, Elmer D. I
 Hixson, Homer FON
 Hubbell, T.H. FE
 Hume, H. Harold GO
 Jamison, Frank S. O
 Kirk, William G. OCN
 Kusner, J.H. ADB
 Mowry, Harold GO
 Newell, Wilmon FO
 Newins, Harold S. O
 Noble, C.V. O
 Perry, William S. BM
 Phipps, Cecil G. A
 Rogers, J. Speed F
 Rusoff, Louis L. NOC
 Sashoff, S.P. MAB
 Sell, Harold M. C
 Senn, P.H. NF
 Sherman, H.B. OFG
 Smith, Frederick B. O
 Tisdale, William B. G
- Gainesville, Cont'd.**
 Tissot, A.N. FG
 Watson, J.R. F
 Weber, George F. GO
 West, Erdman GF
 Williams, Mrs. J.D. B
 Williams, R.C. BAC
 Willoughby, C.H. OF
 Wolfe, H.S. GO
 Yeaton, P.O. M
 Ziegler, E.A. O
- Hastings**
 Eddins, A.H. O
- Hollandale**
 Hodson, Floyd E
- Hollywood**
 Cohn, Jess Victor. N
 Noble, Frederick C. M
- Homestead**
 DeMaria, Vincent MCB
 Fifield, W.M. OG
 Lynch, S.J. OGC
 Ruehle, George D. G
- Jacksonville**
 L'Engle, Edward N
 Parker, H.N. NO
 Roe, Edward E
 Tucker, W.C., Jr. CRM

Lake Alfred		Miami Springs		Saint Augustine		Tampa	
Camp, Arthur F. ....G		Estill, Miss A. ....NCE		Stimmel, C.O. ....N		Becknell, Guy G. ...B	
Fudge, B.R. ....GCO		New Smyrna Beach		St. Petersburg		Caraballo, C. ....NDIC	
Kuntz, W.A. ....G		Bradley, G.H. ....F		Heering, Miss G.A. ....IKO		Case, A.H. ....CMO	
McKee, Mrs. A.O. ....G		Ocala		Needles, Robert J. ....NF		Denton, Minna C. ....QNC	
Lakeland		Wodlinger, M.H. ....CN		Story, Miss H.F. ....ADO		McGrath, T.O. ....BDK	
Brooks, A. Nelson ...G		Orange Park		Turner, M.L. ....NFE		Mattingley, B.W. ....CNA	
DeMelt, W.E. ....IKL		Nissen, Henry W. ....I		Sanford		Wilson, Alex S. ....N	
Ellison, Eckley S. ...B		Riesen, Austin H. ....IFO		Lovell, W.V. ...BMA		Terra Ceia	
Lancelot, W.H. ....QO1		Young, William C. ....F		Shippy, W.B. ....G		Robinson, T. Ralph GO	
Mulvama, Maurice ...G		Orlando		Wisecup, C.B. ....F		Venice	
Ulhey, David G. ....C		Bahrt, George M. ....COE		Sarasota		Maier, Eugene ....NC	
Vannoy, C.A. ....N		Edwards, Miss C. ....NFC		Hamlin, V.T. ....EH		West Palm Beach	
Lake Wales		King, W.V. ....FN		Stuart		Heipel, F.K. ....N	
Miller, R.T. ....N		Miller, Erston V. ....G		Atwood, Horace ....O		Randolph, O. ....DMA	
Tilden, J.E. ....GIF		Miller, Ralph L. ....F		Tallahassee		Winter Haven	
Lake Worth		Ross, Edward ....G		Boliek, Irene ....FG		McKinnis, R.B. ....CGO	
Gretson, W.A. ....QBI		Sachs, Ward H. ....OC		Deviney, Miss E.M. ....FNG		Winter Park	
Manatee		Stevens, Harold E. ....G		Disher, D.R. ....I		Alvord, John W. ....MKI	
Wilbanks, J.R. ...M		Tisdale, Lionel E. ....G		Finner, P.F. ....IO		Anderson, W.S. ...CO	
Mary Esther		Winston, J.R. ....G		Heinlein, C.P. ....IQH		Barbour, R.B. ....BCE	
Caldwell, Miss E.L. ....N		Yothers, W.W. ....F		Hood, Miss M.N. ....NGF		Bowers, Mrs. W.C. ....N	
Miami		Panama City		Kitchen, S.F. ....N		Clark, J.H. ....NI	
Giftord, John C. ....OHG		Brody, A.L. ....F		Komarek, Roy ...FGO		Clarke, Miss H. ....NO	
Ingersoll, John M. ....N		Penney Farms		Kurz, Herman ....GO		Crisler, George ....NCF	
McDaniel, W.B. ....L		Thompson, W.L. ....NGI		Schornherst, Miss R. ....G		Fernald, Henry T. ....F	
Sheehy, M.W. ....NpCB		Pensacola		Stewart, Alban ....G		Landone, Brown CFO	
Smith, M.H. ....NFH		Elmendorf, J.E. Jr. ....N		Tilt, Jennie ....C		Reece, Philip C. ....GO	
Tanner, W. Lee ....CBM		Hopkins, A.E. ....F		Wardlow, Ralph H. ....C		Scott, G.G. ....FGN	
White, Miss A.E. ....H		Quincy		Ware, E.E. ....FNG		Waite, Alexander I	
Miami Beach		Kincaid, R.R. ....GOC		Witmer, Louise R. ....I		Wise, Louis E. ....C	
Rotter, P.T. ....AKC		Madden, A.H. ....FG					
Walker, Alfred ....Nd							

GEORGIA

Albany		Atlanta, Cont'd.		Atlanta, Cont'd.		Emory University	
Brigham, G.D. ....N		DuBois, W.E.B. ....KLH		Whittle, C.A. ....OQ		Bachmann, George NF	
Hummel, J.L. ....MAC		Eagleson, H.V. ....BA		Williams, H. McK. ....BFG		Baker, W.B. ....GF	
Hunter, J.H. ....OCG		Eagleson, Oran ....IK		Wilson, R.B. ....N		Blincoe, Homer ....NF	
Athens		Finley, H.E. ....FG		Augusta		Brown, C.E. ....NFG	
Beers, J.S. ....QIII		Funk, John ....N		Briggs, A.P. ....N		Gambrell, E. ....NF	
Burkhart, W.C. ....NOP		Furcorn, A.S. ....EMH		Coleman, Warren ....N		Guy, J. Samuel ....C	
Byrd, Elton E. ....FG		Garrett, W.A. ....Nd		Combs, J.D. ....F		Jackson, E.L. ....NpC	
Cantrell, William ....F		Giddings, Glenville N		Ellis, John M. ....F		Lewis, G.T. ....NC	
Childs, R.R. ....GO		Haldi, John ....N		Garvin, E.C. ....M		Martin, H.W. ....I	
Collins, W.O. ....O		Hall, Roland B. ....MBA		Kelly, G. Lombard N		Nelms, W.S. ....B	
Crickmay, G.W. ....E		Harpole, H.J. ....Nd		Hamilton, W.F. ....Np		Papageorge, E. ....NC	
Edwards, A.S. ....IO		Harris, Lucien, Jr. ....F		Kelly, G. Lombard N		Phillips, H.M. ....GFN	
Edwards, F.R. ....O		Heath, E.S. ....GEF		Maryott, C.H. ....N		Redmond, W.B. ....NF	
Garman, W.H. ....OC		Henry, A.M. ....CGO		Peaslee, W.D.A. ....M		Rhodes, R.C. ....F	
Greene, J.E. ....IQ		Hopper, S.H. ....NCM		Traylor, G.A. ....N		Stannard, J.N. ....NpFC	
Hendren, L.L. ....BDA		Huff, M.D. ....NdKI		Woodbury, R.A. ....N		Venable, J.H. ....NFH	
Jackson, L.W.R. ....O		Killinger, G.G. ....INF				White, G.C. ....IQ	
Lund, Horace O. ....F		King, Roy S. ....M		Cairo		Experiment	
McLattin, T.H. ....GO		Klein, E.W. ....M		Belcher, B.A. ....FGO		Higgins, B.B. ....G	
Mitchell, F.E. ....O		Leadingham, R.S. ....NFI		Duncan, F.N. ....FG		Olson, L.C. ....OCE	
Moss, W.L. ....N		Lewis, Mrs. I.N. ....GEF		Sharpe, Ralph H. ....OG		Stuckey, H.P. ....G	
Newton, Miss C.L. ....CN		Long, David D. ....O		Clermont		Weimer, J.L. ....G	
Nuttycombe, J.W. ....F		McDermott, C.B. ....NpC		Staton, T.F. ....QI		Woodroof, J.G. ....GO	
Smith, J.S. ....OGF		McLendon, C.A. ....OGC		Cochran		Fort Valley	
Stephens, R.P. ....AB		McRae, Floyd W. ....N		Rice, Nolan E. ....FGN		Blanchet, W.E. ....CBF	
Story, Miss Louise ....N		Mann, H.B. ....G		Decatur		Gainesville	
Wilson, Robert C. ....Np		Nabrit, S.M. ....F		Dexter, Miss E.S. ....IQ		Kaston, B.J. ....FNG	
Young, Miss F. ....ION		Neff, Carroll F. ....CNF		MacDougall, M.S. ....FGN		Griffin	
Zeigler, Miss M. ....ION		Newell, A.G. ....FG		Stukes, S.G. ....IQ		Rogers, Wallace ....F	
Atlanta		Nichols, James G. ....MAI		Demorest		Hinesville	
Albro, Miss Helen T. ....F		Owensby, N.M. ....N		Roberts, W.S. ....CBE		Hodges, Q.E. ....BA	
Andrews, Justin ....FN		Peyton, Garland ....EM					
Boggs, Gilbert H. ....CO		Reddick, Miss Mary F					
Byrnes, Ralph K. ....Nd		Scott, Miss B.L. ....F					
Clay, Grady E. ....N		Skiles, W.V. ....ABD					
Daniel, J.L. ....C		Sweigert, Ray L. ....MOI					
		Therrell, D.M. ....MBO					
		Vaughan, W.H.M					

Macon

Almand, J. M. C
 Carver, G. L. FGO
 Drake, R. M. IO
 Howell, Miss T. FNO
 Mounts, Mrs. L. H. G
 Quillian, M. C. GFE

Milledgeville

Beeson, Jasper L. C
 Bolton, Miss E. B. I
 Daniels, F. GLO
 Martin, Miss L. CBO
 Rogers, Miss M. T. BDF
 Stokes, James G
 Wooten, K. W. KNO

Moultrie

Garrison, S. W. MAB

Mount Berry

Jones, H. C. GFE
 McAllister, L. E. BAD

Oglethorpe University
 Aldrich, J. A. DBA

Rome

Hightower, Ruby ADB
 Martin, B. E. FGN

Savannah

Hasselstrom, T. C
 Hawes, F. M. CBK
 Johnson, B. J. IO
 Shuey, P. M. G. C

Smyrna

Hanson, W. T. A

Social Circle

Hering, Paul E. FG

Statesboro

DeLoach, R. J. H. K
 Trussell, M. FG

Thomasville

Stoddard, H. L. F

Tifton

Burton, Glenn OGC
 Gaines, J. G. GF
 Moore, W. D. OG
 Woodroof, Mrs. N. C. G

Valdosta

Carter, Miss M. E. F
 Craven, C. J. BD
 Nevins, Miss B. I. GF
 Phelan, E. W. CO

HAWAII**Eleele, Kauai**

Cox, Joel B. M
 Hopwood, Miss M. QAB
 Wong, W. T. OQG

Hilo

Wilen, C. J. N

Honolulu

Abbott, Donald P. F
 Agee, H. P. O
 Aitken, R. T. H
 Allen, O. N. G
 Arnold, Harry L. N
 Baker, R. J. GKF
 Ballard, S. S. B
 Beaumont, J. H. OGF
 Boggs, Lawrence CGO
 Britton, J. R. MPO
 Brown, E. D. W. G
 Brown, Forest B. H. G
 Bryan, E. H., Jr. F
 Bryan, W. T. QKI
 Buck, Peter H. H
 Cain, Louis S. M
 Carter, Walter FG
 Castle, N. H. FE
 Castle, S. N. M

Honolulu, Cont'd.

Caum, Edward L. G
 Clark, W. O. E
 Collins, J. L. GFO
 Conner, M. I. Nd
 Cooke, C. M., Jr. F
 Cooke, Richard A. C
 Coulter, J. W. EKO
 Crawford, D. L. F
 Dean, A. L. OCG
 Dean, L. A. OCG
 Dillingham, E. F. C
 Edmondson, C. H. FG
 Ehrhorn, E. M. G
 Enright, James R. NCB
 Farden, Carl A. OCG
 Gregory, H. E. E
 Hamre, Christopher F
 Harper, Miss B. FHN
 Hartt, Miss C. E. G
 Hayashi, Harold T. Np
 Henke, L. A. O
 Honzik, Charles H. I
 Hosoi, Kiyoshi N
 Hoyt, Simes T. MP
 Illingworth, J. F. F
 Janitschke, Erick O. M
 Jones, W. W. GO
 Judd, A. F. H

Honolulu, Cont'd.

Kirschman, H. D. CBF
 Krauss, Miss B. GC
 Krauss, F. G. OGO
 Kunesch, J. F. MKQ
 Lam, Philip NCG
 Lamb, Alvin R. CNO
 Li, Min Hin N
 Linford, M. B. GFO
 Livesay, T. M. IO
 Loo, Y. S. CN
 Lyon, Harold L. GO
 McBride, O.ville C. OC
 Mangelsdorf, A. J. G
 Mason, Arthur C. F
 Mehrlich, F. P. GF
 Miller, Miss C. D. CF
 Nightingale, G. T. GOC
 Palmer, H. S. E
 Peck, Samuel S. C
 Pemberton, C. E. F
 Potgieter, Martha CON
 St. John, Harold G
 Sakimura, Kay F
 Schmidt, Carl T. F
 Smith, M. E. IO
 Spalding, Irwin GF
 Spiegelberg, C. H. G
 Stokes, John F. G. HI

Honolulu, Cont'd.

Straub, Geo. F. N
 Swezey, Ottoli. F
 VanZwaluwenburg, R. H. F
 Wadsworth, H. A. OB
 Weeber, Lorle S. IO
 Wentworth, C. K. EM
 Williams, F. X. F
 Williams, J. N. S. BC
 Zimmerman, E. C. F

Pala

Foster, J. P. CMN
 Powers, H. A. E

Pearl Harbor

Richards, W. I. MEB

Pepeekeo

Taylor, C. R. CM

Wahiawa

Johnson, M. O. C

Waialua, Oahu

Degener, Otto GF

IDAHO**Boise**

Genoway, C. V. KN
 Myers, R. M. G
 Peterson, L. J. OFN

Caldwell

Rankin, J. M. A
 Smith, Orma J. F

Coeur d'Alene

Hankins, L. D. MHE

Dubois

Nordby, Julius E. OF
 Pohle, Elroy M. OFC
 Terrill, C. E. OFN

Moscow

Beresford, Hobart M
 Carssow, Charles M
 Christensen, Leo M. C
 Gail, F. W. G
 Hinman, Frank G. F
 Hungerford, C. W. G
 Iddings, E. J. FOK

Moscow, Cont'd.

Klages, K. H. W. O
 Larson, H. W. E. OEC
 Messenger, J. F. IO
 Owens, H. S. CN
 Raeder, J. M. GO
 Reed, James B. CO
 Scheid, V. E. ECB
 Slipp, A. W. GOF
 Stough, H. B. FN
 Verner, Leif OG
 Woods, Ella NC
 Young, Vernon A. GO

Parma

Steel, A. A. EM

Pocatello

Christensen, W. B. NC

St. Maries

Moore, Donald J. MRA

Twin Falls

Douglass, J. R. FGO
 Piemeisel, R. L. GO

ILLINOIS**Algonquin**

Chesney, J. W. D. E

Alton

Giberson, Oria O. N
 Glathart, Justin B

Argo

Peniston, O. P. C
 Swallen, L. C. C
 Veatch, Collins OGC

Aurora

Greene, W. B. M
 McFarlane, S. H. F
 Smith, C. R. B

Avon

Rodgers, Calvin N

Batavia

Gutekunst, Hans AB
 Holmes, H. F. N

Bellwood

Miller, D. B. ABM

Berwyn

Duncan, W. S. M
 Jennings, W. H. C
 Kinneberg, I. H. CNM
 Schulhof, Kamil NCB
 Zoethout, W. D. N

Bloomington

Brown, G. A. O
 Hargitt, T. F. B
 Hartline, Ona C. GO
 Townsend, M. T. FN

Byron

Blount, Miss M. P. F

Carbondale

Bailey, Wm. M. G

Carbondale, Cont'd.

Cagle, Fred Ray ... FG
 Gersbacher, W.M. ... FG
 Stengall, Mary M. ... FG
 Stein, Hilda A. ... F
 Welch, W.B. ... GFO
 Zimmerschied, Miss C. ... BA

Carlinville

Crawford, W.W. ... FGN
 Wittmer, F.B. ... C

Carthage

Kibbe, Alice L. ... GFK
 Noyes, Miss I.M. ... CN
 Schulz, R.G., Jr. ...

Centralia

Agersborg, H.P.K. ...
 Ellsworth, E.W. ... EM
 Stephens, William ... BD

Champaign

Archer, L.B. ... MKO
 Bigger, J.I. ... F
 Coon, Lucy G. ... N
 Dirks, Miss J.C. ... FG
 Doland, J.J. ... MK
 Earle, W.C. ... FN
 Elias, Maxim K. ... EGF
 Funk, Miss R.S. ... NCB
 Goodnight, Clarence F.
 Hazlett, O.C. ... AB
 Hoersch, Victor A. ... AB
 Kott, Arthur E. ... C
 Pacini, Albert E. ... C
 Pratt, Miss E.M. ... FG
 Reeder, E.H. ... C
 Rees, O.W. ... C
 Shelford, V.E. ... F
 Shoemaker, H.H. ... FNI
 Vestal, A.G. ... GFE

Charleston

Iknayan, Nicholas C. ... N
 Marks, Miss Ica ... G
 Railsback, O.L. ... B
 Spooner, C.S. ... F
 Stover, E.L. ... G
 Taylor, E.H. ... AQ
 Thut, Hiram F. ... B
 Verwiebe, F.L. ... B
 Weller, Miss A.L. ... E

Chicago

Abbott, W.L. ... M
 Agrus, Meyer S. ... CB
 Akers, P.H. ... DE
 Alexander, Franz ... NI
 Alice, W.C. ... F
 Allison, S.K. ... BC
 Alving, Alf S. ... NC
 Alwart, H.J. ... MPB
 Ames, Edward S. ... IK
 Anderson, R.H. ... LOO
 Andrade, M.J. ... HL
 Andrews, Harry L. ... FG
 Aravosis, J.S. ... M
 Arkin, Aaron ... N
 Armstrong, D. ... BM
 Arnold, Bion J. ... M
 Arnold, Lloyd ... N
 Aronberg, Lester ... B
 Ashford, T.A. ... CRO
 Back, Robert ... BCM
 Bacon, A.R. ... N
 Bailey, John Hays ... N
 Baird, Edgar A. ... G
 Ballard, Mrs. F.K. ... A
 Balmer, H.F. ... DB
 Barber, I.G. ... B

Chicago, Cont'd.

Barker, M.H. ... N
 Barrett, John P. ... F
 Barron, E.S.G. ... NC
 Bartelme, G.W. ... FN
 Bastin, Edison S. ... E
 Bay, J. Christian ... GL
 Bean, John M. ... GO
 Bean, Donald P. ... IK
 Beardsley, Niel F. ... B
 Beauchamp, Wilbur ... Q
 Beazell, J.M. ... N
 Beck, Wm.C. ... N
 Becker, Irwin A. ... CEG
 Bellows, J.G. ... NC
 Benedek, Therese ... NIH
 Benedek, Tibor ... NG
 Benson, Oscar A. ... KLO
 Bergeum, Olaf ... C
 Beckman, Sophia ... CB
 Bertholf, W.E., Jr. ... E
 Besancon, R.M. ... BAC
 Bibb, S.F. ... AMO
 Bing, F.C. ... N
 Birch, C.LaF. ... N
 Bjorksten, J.A. ... CNG
 Black, Mrs. Fern B. ... IO
 Blake, Emma R. ... FEG
 Blake, Mrs. Tiffany ...
 Blayne, J.R. ... Nd
 Bliss, G.A. ... A
 Blitzstein, N.L. ... N
 Bloch, H.S. ... CBM
 Bloch, R.G. ... N
 Bloom, William ... N
 Bloomfield, Sidney B.
 Bloomfield, Leonard L.
 Boardman, H.C. ... MAB
 Rockius, Miss D.E. ... CN
 Bonander, Orvar ... M
 Bond, Donald S. ... B
 Bond, Otto F. ... O
 Bonner, Hubert ... KI
 Boor, Alden K. ... CN
 Bosma, Nelly J. ... F
 Boulton, R.Jr. ... FGE
 Bowen, Norman L. ... EC
 Bower, W.C. ... QIK
 Bowman, Jay ... CBK
 Bowyer, Vernon ... O
 Boyd, Benrose ... MBD
 Boyd, T.E. ... NpF
 Bradford, James M. ... BA
 Brantom, F.K. ... EK
 Breed, F.S. ... QI
 Bretz, J.Harlen ... E
 Brockett, H.E. ... CM
 Brodie, Allan G. ... NdH
 Bronson, W.F. ... CP
 Brookes, M.C.H. ... CNK
 Brown, Fay Cluff ... B
 Brown, Ira ... N
 Brownlow, Louis ... K
 Buchanan, E.F. ... CM
 Buchholz, A.M. ... N
 Buchsbaum, R.M. ... FNA
 Buhrmester, Miss C. ... CN
 Bull, Henry B. ... C
 Burack, Benjamin ... IO
 Burgess, Ernest W. ... K
 Burkhardt, Mrs. B. ...
 LeRoy ... F
 Burrill, Marie W. ... F
 Burrows, William ... NC
 Buswell, G.T. ... IO
 Byrnes, Frank C. ... CE
 Campbell, Dan H. ... CN
 Campbell, D.F. ... ABC
 Cannon, E.E. ... NIF
 Cannon, H.J. ... CN
 Cannon, Paul R. ... NF
 Capps, Joseph A. ... N
 Carlson, Anton J. ... N

Chicago, Cont'd.

Carr, James Gray ... N
 Cassaretto, F.P. ... CAB
 Chamberlain, C.J. ... G
 Chamberlin, R.T. ... E
 Cherney, Albert ... OG
 Cheronis, N.D. ... BCN
 Chetlain, J.F. ... OKD
 Christensen, H.C. ...
 CNPQ
 Christy, Andrew ... B
 Clark, Edward A. ... MK
 Clark, S.W. ... NdC
 Clarke, C.L. ... QIK
 Cleveland, C.R. ... F
 Cleveland, F.F. ... BAC
 Cohen, H.R. ... N
 Cohn, David J. ... NC
 Colburn, William ... CNP
 Colby, Charles C. ... E
 Cole, Arthur G. ... CN
 Cole, Fay Cooper ... H
 Cole, Versa V. ... NCF
 Cole, W.H. ... N
 Coleman, George H. ... N
 Coleman, H.M. ... CBA
 Colin, E.C. ... F
 Colvert, Will White ... B
 Colwell, C. ... NCF
 Compere, E.L. ... N
 Compton, A.H. ... N
 Conner, H.W. ... GCB
 Constantinides, Ph.A. ...
 B
 Conway, E.A. ... N
 Cook, Jonathan ... K
 Cook, W.W. ... KIH
 Coolidge, E.D. ... NdC
 Coon, Julius M. ... Np
 Coulter, Chester ... I
 Coulter, Merle C. ... GF
 Coursen, C.Blair ... F
 Cowles, Alfred, III. ... K
 Cregan, Sister M.B. ... FG
 Cronis, Carey G. ... E
 Crosthwait, D.N., Jr. ... MPC
 Crowder, T.R. ... N
 Crowell, B.C. ... N
 Crowley, Clyde ... CBA
 Cullison, Miss A. ... F
 Culmer, C.U. ... N
 Cushman, Miss A.B. ... N
 Cutter, Irving S. ... N
 Cutter, W.D. ... N
 Da Costa, Miss E. ... NCF
 Da Costa, H.N. ... CBN
 Dalstrom, O.F. ... M
 Dannis, Mark L. ... BC
 Darrow, C.W. ... I
 Davenport, H.A. ... NC
 Davidson, Israel ... N
 Davidson, Miss M.H. ... FN
 Davis, J.E. ... NCO
 Davis, N.S., III. ... N
 Dawson, Sister M.P. ...
 CIO
 Dean, Joel ... KMI
 Delaney, P.A. ... FN
 DeLee, Joseph B. ... N
 DeLemon, Hugo ... CMN
 Delph, John F. ... B
 Dempster, A.J. ... B
 Dersheim, Elmer ... BDA
 Dickinson, F. ... IOK
 Dieckmann, Wm. J. ... NC
 Doan, Miss Effie E. ... KO
 Dold, C. Norman ... FPC
 Domm, Lincoln ... F
 Donnel, C.A. ... BDE
 Dragstedt, Carl A. ... N
 Dragstedt, Lester R. ... N

Chicago, Cont'd.

Dunham, C.L. ... N
 Dunlap, F.L. ... C
 DuShane, G.P. ... F
 Dutton, H.P. ... KMQ
 Dye, George H. ... C
 Eaton, Scott Verne ... G
 Eckart, Carl ... BAD
 Edgerton, W.F. ... LKH
 Edwards, Davis ... LIQ
 Egloff, Gustav ... C
 Ehrlich, N.J. ... NC
 Emch, Minna ... NIH
 Emerson, A.E. ... F
 Epstein, A.K. ... CN
 Erickson, C.G. ... ABQ
 Essenberg, J.M. ... NF
 Ets, Harold N. ... NpC
 Eustice, A.L. ... KP
 Evans, E.A., Jr. ... NCF
 Evans, S.D. ... IO
 Ewert, W.C. ... B
 Fahrenwald, F.A. ... MCB
 Fahy, Miss M. ... EO
 Falls, Miss O. ... FGO
 Farmer, Chester J. ... CFG
 Farwell, Francis C. ...
 Favill, John ... N
 Feldman, Julius ... CNP
 Fetcher, E.S., Jr. ... FC
 Feuer, Bertram ... NC
 Field, Henry ... H
 Finnegan, Joseph B. ... M
 Finney, W.P., Jr. ... N
 Fishback, H.R. ... N
 Fishbein, Morris ... N
 Fisher, C.R. ... M
 Fisher, D. Jerome ... E
 Fisher, Miss Mary C. ... G
 Fisk, Henry G. ... EC
 Flood, Walter H. ... MCP
 Flynn, Sister M.P. ... NCK
 Foote, Paul C. ... BAD
 Ford, Lester R. ... AB
 Fordsick, L.S. ... CND
 Foster, Miss Alice ... E
 Fox, Noah ... N
 Fox, Philip ... D
 Frank, James ... BC
 Frank, Margaret ... IN
 Frank, O.D. ... GOF
 Freeland, Milnor ... NC
 Freeman, Ira M. ... B
 Freeman, Smith ... NC
 French, B.E.L. ... NCF
 French, C.S. ... GC
 French, T.M. ... INF
 Freud, B.B. ... COB
 Friedemann, T.E. ... CN
 Fuller, George D. ... G
 Gale, Henry Gordon ... BD
 Garcia-Benitez, C.R. ... GF
 Garrison, Lester E. ... N
 Gazzolo, Frank H. ... CED
 Gear, Harry B. ... BM
 Geiling, E.M.K. ... Np
 Gellhorn, Ernest ... N
 Gerard, R.W. ... NCF
 Gerhard, W.J. ... N
 Gifford, Sanford R. ... N
 Gilbert, N.C. ... NI
 Gilman, A.F., Jr. ... C
 Gilmore, R. Clark ... G
 Ginsberg, Bernard ... C
 Givens, Maurice H. ... C
 Glatfield, J.W.E. ... C
 Gloyd, Howard K. ... F
 Glynn, John H. ... NF
 Golden, I.J.K. ... NBC
 Golick, A. Frank ... CMK
 Gomori, George ... NCN
 Gottardo, Paul, Jr. ... CNF

Chicago, Cont'd.

Goubaud-Carrera, A. H.L.K.
 Gradle, H.S. N
 Graham, C.F. BDE
 Graham, V.O. QG
 Graves, Lawrence M. A.
 Gray, John S. N
 Gray, William CNP
 Gray, W.S. IQ
 Green, M.N. CN
 Greengard, Harry NC
 Greenhill, J.P. N
 Greenlee, W.B. EH
 Greenwood, D.A. CNF
 Gregoria, Sister M. EK
 Guiliams, J.M. A
 Gurley, W.F.E. E
 Haas, Louis W. C
 Haas, Walter, Jr. CBA
 Haering, D.W. CMN
 Hafstad, G.E. E
 Hagan, Sister M. M. C
 Hall, Lloyd A. C
 Halliday, Miss E. G. C
 Hamann, Anna NF
 Hamner, Karl C. GO
 Hanke, Martin E. CN
 Hanke, M.T. CNE
 Hansen, H.L. CND
 Harman, Harry AIO
 Harper, R.B. CM
 Harrison, R.W. N
 Hartley, George, Jr. N
 Harvey, B.C.H. N
 Harvey, Cecil C. CFN
 Haskell, E.F. HGE
 Hatcher, C.H. N
 Hatton, Edward H. N
 Haydon, A.E. KHL
 Heald, H.T. M
 Hendrick, Leslie R. FG
 Hemens, Rollin D. IKQ
 Hendrickson, A. OGC
 Hepler, Miss O.E. N
 Herr, Vincent V. I
 Herrick, J.B. NLO
 Herring, T.D. MC
 Herrold, R.D. NC
 Hesseltine, H.C. N
 Hill, Cyrus G. BA
 Hillebrecht, H.E. FGC
 Hillenbrand, H. Ndk
 Hines, Leonard R. CN
 Hirsch, Edwin F. N
 Hirschberg, Nell NFG
 Hirsh, Bernard L. AK
 Hoag, J. Barton BAD
 Hobbs, Glenn M. BC
 Hodges, Paul C. N
 Hofelzel, Frederick N
 Hoffman, M.M. Nd
 Hoffman, W.S. N
 Hogan, Sister S.M. FG
 Holmes, T.R. C
 Holmberg, John B. MO
 Hood, Marion NF
 Hook, W.E. N
 Hoover, H. Earl MO
 Hopkins, D.L. F
 Hopkins, E.W. ONC
 Horner, W.F. FGN
 Howell, K.M. NC
 Huenink, H.L. CO
 Huff, Clay G. FN
 Huggins, Charles B. N
 Hulla, George CAB
 Hummoller, Fred L. NC
 Hutter, Charles G. N
 Hutton, James H. N
 Hyman, Julius C
 Ingraham, R.C. NC
 Ipatieff, Vladimir N. C

Chicago, Cont'd.

Irons, Ernest E. N
 Isenbarger, Jerome G
 Ivy, Andrew C. Np
 Jackson, John M. CB
 Jacobson, Edmund NI
 Jacobson, M.A. NOQ
 Jakl, V.E. B
 Jansey, Felix NCB
 Jesse, William P. B
 Jewett, Frances L. G
 Job, Theslet. FN
 Johansson, Albert E
 Johnson, C.A. CN
 Johnson, J.T. AOI
 Johnson, Leland R. Nd
 Johnson, Norman B. M
 Johnson, Victor N
 Johnson, W.C. C
 Johnston, C.E. MK
 Johnstone, M.M.S. N
 Jones, David NF
 Jones, George M. MAB
 Jones, K.K. NO
 Jones, Owen B. DBC
 Jones, W.B. CBM
 Jones, W.D. E
 Jordan, Edwin P. NHL
 Kampmeier, O.F. NH
 Katz, Louis N. N
 Keeler, Leonarde I
 Keeton, Robert W. N
 Kemp, Jarold E. N
 Kendig, Miss M.M. O
 King, Leonal M. I
 Kingsbury, F.A. IO
 Kinney, J.M. A
 Kirshbaum, Jack D. N
 Klapperich, A.J. BMI
 Klein, David C
 Kleitman, Nathaniel N
 Klopsteg, Paul E. B
 Kluever, Heinrich IKN
 Kney, Otto M
 Knight, Alva A. NCF
 Kniseley, M.H. FNM
 Knospe, William F. C
 Knowlton, Miss K. CN
 Koch, Fred C. CNO
 Koch, Miss H.L. ION
 Kohout, J.F. CDE
 Komarewsky, V.I. BCM
 Koons, Carl H. F
 Koos, Leonard V. O
 Korzybski, A. ANQ
 Koser, Stewart A. N
 Kraatz, C.P. FNp
 Krasno, Louis R. FIN
 Krathwohl, W.C. AOI
 Kraus, E.J. GO
 Kraus, Ida CN
 Kretschmer, H.L. N
 Krogman, W.M. HFE
 Kronfeld, Peter C. N
 Kronfeld, Rudolf N
 Krumbein, W.C. E
 Kuder, G. Frederic IQK
 Kummer, Mrs. Anna G
 Kunde, M.M. NO
 Kurtz, W.O. M
 Lane, Ernest P. A
 Larkin, John Day KLO
 Latham, V.A. NFG
 Lawlah, John W. N
 Lawless, T.K. CN
 Leavens, D.H. AKD
 Lebensohn, James E. N
 Lednum, E.T. CM
 Lemon, H.B. BAD
 Lesner, Sister Mary
 St. Victor F
 Leventhal, M.L. NCK
 Levinger, David N

Chicago, Cont'd.

Levinson, S.A. NHI
 Lewis, A.B. HFG
 Lewis, Burns NC
 Lichtenwalter, M.C. OFI
 Lillie, Frank R. F
 Lillie, Ralph S. FN
 Lillis, Stephen M. CMP
 Link, Geo. K.K. G
 Livingston, H.M. N
 Lloyd, Miss Harriet LH
 Logan, W.H.G. NO
 Logsdon, Mrs. M.I. A
 Loranice, Mrs. M.T. N
 Lowes, Miss Helen GFI
 Luckhardt, Arno B. N
 Luckow, Wm. C. CM
 Luhan, Joseph A. N
 Lundquist, G.R. NHF
 McCaughan, R.C. N
 McCausland, Woods M
 McDaniels, H.E. N
 MacDowell, C.H. CO
 McGuigan, Hugh Np
 McHugh, Daniel J. DB
 McKeon, R.P. LBA
 McLean, Franklin C. N
 MacMillan, W.D. AD
 McMullen, H.G. FNO
 Magos, John P. MBC
 Mandabach, P.J. CGI
 Mann, Lawrence S. NC
 Martin, E.D. MBC
 Martin, Mrs. E.A. CN
 Martin, John NFI
 Mason, H.C. NCK
 Mason, Michael L. N
 Masserman, J.H. IKN
 Mead, Henry C.A. NLF
 Melnick, Perry J. N
 Miller, Benj. F. NC
 Miller, C. Phillip N
 Minard, David NCB
 Minarik, R.G. MO
 Mitchell, J.H. N
 Mohr, Geo. J. NIO
 Monroe, Wm. S. KPM
 Montgomery, W.N. NMB
 Moore, B.H. NHF
 Moore, Carl R. F
 Moore, Glenn S. CBA
 Moorman, Earl F. CBM
 Morris, C.W. LBI
 Morse, Minerva C
 Mortimer, B. NO
 Mory, A.V.H. C
 Moulton, C. Robert C
 Muehlberger, C.W. CN
 Mulliken, Robert S. BC
 Mullin, F.J. NIF
 Mundt, G. Henry N
 Munson, Grace E. I
 Murray, Forrest H. A
 Murray, Maurice J. C
 Musser, Clair Omar N
 Nadeau, Oscar E. N
 Nadler, Walter H. N
 Naylor, Aubrey W. G
 Necheles, H. N
 Necker, Walter L. F
 Neiler, Samuel G. M
 Nelson, Lloyd CMK
 Nelson, W.K. CMK
 Newman, Horatio H. F
 Newman, W.L. IKQ
 Newton, Roy C. C
 Nice, L.B. FNP
 Nichols, H.W. ECM
 Nicholson, F.M. NFH
 Nickerson, J.F. MNO
 Nicolet, Justin ABM
 Novak, Milan NFG

Chicago, Cont'd.

Noyes, Harold J. Nd
 Ochsner, Edward H. N
 Oesting, Ralph B. CFN
 Offermann, C.A. F
 Ogburn, William F. K
 Olcott, Irwin CNB
 Oldberg, Eric N
 Olmsted, C.E. GO
 Olson, Miss E.A. G
 Oram, Florence NC
 Orndoff, B.H. N
 Osgood, Bess NC
 Osgood, W.H. F
 Otto, Carl MBA
 Paddock, L.S. CMP
 Page, Thontion DB
 Palm, Carl E. N
 Palmer, W.L. N
 Park, Thomas FN
 Parker, Miss B.M. QG
 Parker, Miss E.P. E
 Parker, Milton E. CMO
 Parmenter, C.E. L
 Patrick, Miss M.L. IO
 Paul, Arthur E. CO
 Paul, W.R. ABD
 Peariman, Samuel J. N
 Pearson, Anthony NF
 Peck, David B. C
 Penn, John C. MDIO
 Pepoon, H.S. GOF
 Perlman, K.I. NpC
 Petersen, W.F. N
 Pettijohn, Frances J. E
 Phee, Martin J. FG
 Phemister, Dallas B. N
 Phifer, Harold E. CBA
 Phillips, Mervyn C. C
 Pietisch, Ewald C. E
 Pilot, Isadore N
 Pincussen, Ludwig CN
 Piszkiwicz, F.J. N
 Platt, Robt.S. E
 Podlesak, Henry J. M
 Pollock, Roscoe NOO
 Pope, Clifford H. FHO
 Porsche, Jules D. CNF
 Pot, F.J. Jr. MCB
 Porter, Richard J. NF
 Potter, T.S. NBC
 Potts, Albert M. CN
 Potts, J.A. NallH
 Poulter, Thos. C. BDC
 Prentiss, A.M. C
 Pribram, E.A. NCG
 Pusey, Brown N
 Pusey, Wm. A. FN
 Ragins, Alex B. NQC
 Ramsey, G.B. G
 Ranson, S. Walter N
 Ratner, Herbert NOC
 Rea, Albertine L. NFG
 Redfield, Robert HL
 Reed, M.B.P. FN
 Reed, Carlos L. N
 Rehm, W.S. Jr. FG
 Reynolds, H.J. FGH
 Reynolds, John T. N
 Rice, Hugh A. FNO
 Rickards, F.S. K
 Ricketts, Henry T. N
 Rider, Theodore H. CN
 Riggs, E.S. EF
 Riggs, Lloyd K. NC
 Roberts, John M. N
 Roberts, Miss L.J. CKN
 Roberts, R.G. CNB
 Robertson, O.H. N
 Rogers, Burton R. NBF
 Rogers, Fred A. BM
 Rolnick, Harry N
 Rosborough, P.A. N
 Rosenthal, Sol Roy N

Chicago, Cont'd.

Roundy, Z. D. O
 Rubin, A. L. H. KLO
 Rukstinat, Geo. J. N
 Sadler, Wm. S. N
 Sanders, James M. F
 Saphin, Otto N
 Sappington, C. O. N
 Saul, Leon N
 Saunders, Felix C
 Schaaf, Bernard E. CG
 Schuff, David C. Nd
 Schilling, O. F. G. A
 Schumberg, Arnold N
 Schupff, G. W. CBN
 Schupff, R. K. CNB
 Schindler, Rudolf NF
 Schlesinger, H. I. C
 Schmeing, G. M. CBA
 Schmidt, F. D. CNO
 Schmidt, Karl P. F
 Schmidt, R. E. DME
 Schmidt, L. L. N
 Schneider, J. L. M
 Schommer, John J. C
 Schorsch, A. P. KIO
 Schour, Isaac Nd
 Scott, Charles N
 Selinger, Elias N
 Sella, Emil GB
 Seman, Philip L. KLB
 Sheinin, John J. N
 Shell, John S. CN
 Sheriff, Earl Edward G
 Shull, Charles A. GO
 Siebel, Emil A. BCN
 Siebel, F. P. CMA
 Siems, H. B. COG
 Simmons, Glen R. C
 Simonds, James P. N
 Singer, H. Douglas NI
 Skinner, E. W. BND
 Slight, David NI
 Smead, C. H. CFG
 Smetters, S. T. MAG
 Smith, A. B. BM
 Smith, Burke DBA
 Smith, Fred Wilson C
 Smith, Harvey M. FN
 Smith, L. W. O
 Smith, T. V. F
 Snyder, Daniel F
 Snyder, Fred H. NC
 Soskin, Samuel N
 Spellberg, M. A. NF
 Spencer, Miss G. G. CBI
 Spencer, Jane E. AOK
 Spencer, Miss M. L. HL
 Spohn, Miss A. C
 Stadnichenko, Miss A. N
 Standley, Paul C. G
 Stanfield, J. Fisher G
 Stanton, Le. R. W. CMN
 Stare, Frederick J. NC
 States, M. N. B
 Stauffer, Andrew G
 Steck, Irving E. N
 Stein, Irving F. N
 Stein, Saml. NI
 Steiner, Paul E. N
 Steinhau, A. H. NFK
 Stephan, R. M. NC
 Stevenson, F. L. BM
 Still, E. U. NCF
 Stoelting, C. H. HTN
 Stone, C. H. BMA
 Stowe, M. C. FG
 Strandskov, H. H. F
 Strauss, Sidney N
 Strong, R. M. F
 Struck, H. C. NC
 Swann, H. G. N

Chicago, Cont'd.

Sweet, D. H. MBK
 Swift, C. H. N
 Swift, H. H. N
 Talbot, Marion KO
 Taliaferro, W. H. FN
 Tannenbaum, A. NCB
 Taylor, H. A. O
 Terry, Ralph E. C
 Thal, P. E. N
 Thompson, Clem O. OT
 Thompson, W. O. N
 Thomson, S. C. NFL
 Thor, Clifford J. B. CGO
 Thorek, Max N
 Thurston, F. A. Nd
 Thurstone, L. L. I
 Tibbals, C. Austin C
 Tiemann, T. D. ME
 Tindal, J. M. MKO
 Tippet, Miss M. M. C
 Tobiasz, E. C. ICF
 Tolman, Lucius M. C
 Tower, Willis E. BO
 Tranzan, Karl MAB
 Tunniff, Ruth N
 Turner, A. R. ON
 Tweedy, W. R. CN
 Tyler, Ralph W. OT
 Ulery, C. B. AEC
 Vagtberg, Harold BC
 Van Cleef, Paul CBA
 Van Pelt, J. R. EM
 Vaughan, L. H. GO
 Vincent, Stella B. IQ
 Vogele, Alfred C. CG
 Vollertsen, J. J. C
 von Bonin, G. NHF
 Voth, Paul D. G
 Wach, E. C. NDC
 Wagner, C. R. C
 Wagner, Carl B. ND
 Wagner, Herman A. M
 Wakerling, G. E. N
 Wallace, L. W. M
 Wang, Chu Che CN
 Warner, Glen W. BO
 Wasley, W. L. CN
 Wasson, Theron EM
 Waterfall, W. BM
 Watts, Ruth M. CN
 Weed, Alfred C. F
 Weightman, C. H. O
 Wennhouse, Sidney C
 Weissman, Miss L. FG
 Weiss, Emil N
 Weiss, Paul NF
 Welker, W. H. N
 Wells, H. G. N
 Wentworth, E. N. FKO
 Werch, S. Carl N
 Wessinger, Geo. D. CN
 White, W. B. MBD
 Wideman, C. J. F
 Wiggins, J. H. DBA
 Wilcox, Guy M. B
 Williamson, W. R. CB
 Wilson, Geo. W. IN
 Windle, William F. N
 Witt, J. C. CMB
 Wolfe, Dael L. ILB
 Wood, Willard L. N
 Works, Geo. A. OKI
 Wray, J. Glen M
 Wright, D. T. CMB
 Wright, F. Howell N
 Wright, Frank CN
 Wright, Sewall FO
 Yamanouchi, Shigeo G
 Yntema, T. O. KA
 Young, Miss H. D. CN
 Young, Mrs. J. D. F
 Young, T. F. CBD
 Zabel, H. E. F

Chicago, Cont'd.

Ziegler, Paul F. BC
 Ziegler, N. A. ME
 Zika, Robert B. BC
 Zimmermann, A. NF
 Zoern, Joseph FG

Chicago Heights

Applegate, Miss A. R. G
 Fellows, John A. MPB

Clarendon Hills

Keil, H. L. CNM

Collinsville

Youtsey, F. S. BCD

Danville

Cox, Harlan S. NKL
 Crispin, Samuel C. N
 English, Harlan N

Decatur

Galligar, Miss G. C. GF
 Gay, Berry Everett N
 Greenfield, R. E. C
 Hessler, John C. CO
 Hottes, J. C. F
 Melrose, F. A. IFH
 Mills, Ralph G. N
 Pollock, Milton D. N
 Ransom, J. H. C
 Richardson, G. B. M
 Seulke, K. J. OCF

Deerfield

Hille, Hermann CNG

De Kalb

Gould, H. W. BCD
 Montgomery, C. E. FG

Delavan

Hight, E. S. MAB

Downers Grove

Pugh, Mrs. Emerson G
 Whitehead, G. W. ALQ

Dundee

Dickinson, C. G. E

Dwight

Stubbs, Mrs. C. N. FGE

East Alton

Olsen, Fredrich CBA

Edwardsville

Sprinkle, M. R. MCA

Effingham

Hammond, R. E. MKB

Elburn

Seymour, Mrs. H. B. KOP

Elgin

Kettering, Miss H. C. NFG
 Urie, Frank D. DB

Elmhurst

DeBruine, Harvey F
 Helmick, H. H. C
 Rudow, C. M. MCB
 Sonquist, J. A. FQG

Elmwood Park

Adams, William A. H

Elsah

Chandler, George IKH
 Happ, George B. FG
 Hooper, W. J. BMD
 Robertson, P. CE

Evanston

Abernethy, J. L. C
 Ball, John R. EFH
 Bannister, Miss R. D. BDE

Bascom, W. R. H
 Bassoe, Peter N
 Beaton, L. E. NHF
 Beaton, Mrs. L. E. G
 Behre, C. H., Jr. E
 Behre, J. A. CN
 Bockstahler, L. I. B
 Britton, Max E. G
 Brown, F. A., Jr. FG
 Brunet, W. M. NK
 Buchanan, J. W. F
 Burton, Miss E. P. N
 Carlson, Margery C. G
 Carter, Edwin R. AD
 Clark, E. L. IO
 Crew, Henry B
 Curtiss, David R. A
 Dole, Malcolm CB
 Edgecombe, A. E. G
 Esbach, Ovid W. MO
 Freeman, G. L. IN
 Frost, Arthur A. CB
 Gault, R. H. I
 Gilliland, A. R. IO
 Goodfellow, L. D. I
 Grulee, C. G. N
 Herskovits, M. J. HLF
 Hines, M. A. C
 Holgate, T. F. AL
 Hoskins, H. P. NO
 Hudson, G. D. EKO
 Hughes, James M. Q
 Hurd, Charles D. C
 Hutchison, R. Lynn F
 Janson, Miss A. A. C
 Jansen, R. E. EHG
 Kassel, Louis S. CBA
 Kinsley, Philip H. N
 Lee, Oliver Justin AD
 Lewis, Winford L. C
 Lowry, C. D., Jr. C
 Lueth, Harold C. N
 Lussky, H. O. N
 Mendoza, Guillermo F
 Morgan, John J. B. IKO
 Morris, W. E. FCN
 Moulton, E. J. AD
 Nelson, Teal N
 Nethercut, Edgar S. M
 Newell, M. J. Q
 North, M. S. C
 Pardee, Miss Molly M
 Park, Orlando FG
 Peck, Edson R. BA
 Porter, Mrs. A. B. I
 Potts, L. M. BM
 Powers, Wm. E. E
 Rew, Irwin N
 Riegel, Byron CNF
 Rolfe, K. E. BAM
 Schultz, O. T. N
 Scott, Walter Dill Q
 Seadamore, H. H. FG
 Seashore, Robert H. I
 Simon, C. T. IOH
 Simons, M. W. KFH
 Spence, B. J. B
 Stark, J. T. E
 Steinhour, H. H. CBK
 Stevens, C. R. CPK
 Stults, Raymond M
 Summerbell, R. K. C
 Suter, C. M. CQ

Evanston, Cont'd.

Templeton, E. J. ... AFL
 Tiffany, L. H. G
 Todd, Arthur J. ... KH
 Turner, C. Donnell .. F
 Turner, Clarence L. .. F
 Urbancsek, J. J. ... ABQ
 Varrelman, F. A. ... FGI
 Ward, Harold B. E
 Whiting, Miss A. G. ... G
 Williams, E. C., Jr. ... F
 Williams, J. Lisle ... NC
 Witty, Paula A. OI
 Yacorzynski, G. K. INF

Fairfield

Roberts, H. C. ... BAM

Fisher

Sailsbury, M. B. ... FGQ

Flossmoor

Friedemann, Wm G. ... CBM
 Gregg, Clifford C. ... QHF
 Sykes, Wilfred . . . M

Galesburg

Franning, Edward C. . N
 Furrow, C. L. F
 Kidder, Albert F. ... O
 Neifert, Ira E. CN
 Thomas, Victor D. ... N
 Walton, A. C. FNO
 Williamson, Warren F

Geneva

Hanson, T. M. NK

Gillespie

Willson, Miss L. M. ... FGK

Gilman

Levy, Abraham J. NLK

Glencoe

Birdsall, Lewis I. CM
 Miner, Carl S. C

Glen Ellyn

Read, John W. CO

Glenview

Nesset, N. M. CN
 Rose, William H. MCB

Grant Park

Dennis, H. N. FGH

Greenville

Marston, Leslie R. . IQ

Harrisburg

Bonnell, Clarence FGN

Harvey

Jewell, Minna E. ... CFG

Highland

Eberhart, C. Milton .. N

Highland Park

Harvey, Ellery H. CM
 Landauer, R. S. ... BN
 LeClercq, R. R. EM
 MacCorquodale, D. W. ... C

Moore, Mrs A. O. MAB
 Pardee, H. S. MAB
 Franstiehl, Carl ... BC
 Walsh, William J. ... FB
 Welch, M. W. CBF
 Zeisler, E. B. NAB

Hillsboro

Seltzer, Alvin N

Hines

Nolan, Lewis E. N
 Owen, S. E. NPQC

Hinsdale

Dixon, L. J. CMN
 Hansen, W. C. CB
 Nielsen, Ernst K. ... CN

Hollywood

Hoff, Wilbur L. ... CBE

Hubbard Woods

Mettler, Mrs. L. H.

Jacksonville

Alexander, Miss A. ... G
 Armstrong, B. CNP
 Capps, H. M., Jr. IO
 Cooke, Francis W. ... B
 DeRyke, Willis F
 Miller, E. O. IO
 Newcomb, W. H. N
 Olson, Miss Hazel FGN
 Stewart, I. C. O
 Walter, Miss M. FIIH

Joliet

Carney, W. F. C
 Fitch, Kenneth R. CBK
 Frisbie, R. L. CFG
 Lochner, Sister M. F. F
 Schwartz, Miss G. GFO
 Stuart, F. C. M

Kankakee

Edgeworth, H. CM

LaGrange

Carpenter, A. H. MED
 Knoblock, B. W. ... H
 Stover, C. R. MAB
 Zimmerman, O. B. ... MOA

Lake Bluff

Wood, S. M. MDE

Lake Forest

Coffin, F. B. CK
 Harris, Roscoe E. ... B
 Isfort, Miss L. G. ... GF
 Lineburg, Bruce F
 Scudder, L. W. KB
 Williams, S. P. IK

La Salle

Danheim, Miss B. L. FG

Lawrenceville

Hoffmann, H. GCN

Lebanon

Spencer, E. R. FG

Lena

Gassman, E. A. ... CBQ

Lincoln

Schulz, Carl E. CBQ

Lisle

Jurica, Hilary S. G
 Tomecko, C. G. C

Lombard

Osland, Embert .. MC
 Van Doren, C. F. ... BCF

Macomb

Bennett, Miss M. A. ... FGO
 Carter, J. Hal. ... CBA
 Schreiber, E. W. ... ALQ
 Waggoner, H. D. GFN

Madison

Schwab, W., Jr. ... FGC

Manteno

Baer, W. H. IK

Marshall

Hares, C. J. E

Mattoon

Anderson, Carl B. EMC
 Long, Harland W. ... IN

Maywood

Blair, James S. C
 Grier, Mrs T. G. HE
 Gruber, L. F. DCB
 Lueck, Roger H. C
 Polanco, Quirino G. ... N
 Shepard, Miss W. F

Mendota

Mauntel, H. W. ... KQG

Monmouth

Haldeman, W. S. CDM
 McClenahan, F. M. ... CEB

Mooseheart

Reymert, M. L. ... IQ

Naperville

Bieber, C. L. EQ
 Eigenbrodt, H. J. ... F
 Priem, Lillian A. ... C
 Wall, C. N. B

Nora

Blair, Miss M. C. ... GFO

Normal

Cross, C. L. B
 Force, Miss T. QIE
 Gray, Miss Nina E. ... FG
 Lamkey, E. M. R. ... GO
 McAvoy, Miss B. ... G
 McDavitt, Neva E
 Miller, L. Wallace ... G
 Richardson, M. L. ... N
 Royce, Miss B. W. NFG

Northbrook

Richards, Miss M. ACL

North Chicago

Carter, Edgar B. C
 Cromwell, H. W. N
 Moore, Edmond E. ... C
 Vliet, Elmer B. CN

Oak Park

Auten, Hanford L. ... N
 Darrah, W. A. MCB
 Gamble, Miss Faith GO
 Gere, B. H. AQ
 Graham, Katherine NC
 Kuehn, Alfred L. ... M
 Kunkle, Wm. F. C
 Leahy, James A. ... M
 Lodeski, F. J., Jr. ... CB
 McCord, G. E. DEH
 Morrell, J. C. C
 Pfeiffer, G. S. ... MBA
 Seed, London ... N
 Shaw, L. I. MC
 Sheaff, H. M. NCF
 Simpson, H. N. ... CMN

Oak Park, Cont'd.

Watts, J. T. DBA
 Weckel, Miss A. L. ... FG
 Williston, Miss R. ... FG
 Wirth, Elmer H. NP CG

Palatine

Schmidt, A. H. C

Park Ridge

Gunderson, L. O. CBM
 Hand, George W. M
 Noyes, F. B. FGNd
 Olson, George A. ... C
 Wessel, John P. ... FG

Paxton

Hileman, A. I. ... OQI

Peoria

Althausen, Darrell ... C
 Ashman, Geo. C. ... C
 Browne, Wm J. ... CBD
 Cart, Jacob F. Nd
 Coghill, Robert D. ... C
 Comstock, C. E. AQ
 Fletcher, L. J. ... MOR
 Fuller, M. L., Sr. E
 Gault, Arthur E. ... AD
 Hunter, J. E. CFN
 Lathrop, Elbert C. ... C
 Packard, W. H. F
 Rosen, Carl G. A. MHC
 Sedgwick, J. H. ... FGE
 Shollenberger, J. H. ... OK

Sigal, Alex. CNO
 Smith, C. Carroll. NQI
 Smith, C. M. NdQI
 Sneller, Charles D. ... NE
 Stone, C. U. IKQ
 Swaim, V. F. BA
 Swaitz, Miss D. FG
 Vonachen, H. A. N
 Voss, John GF
 Willett, R. C. IIND

Peru

Milhorne, D. W. ... GF

Quincy

Elsie, W. P. ... CON
 Evers, Robert A. ... GFO
 Fochtman, Vincent ... I
 Montgomery, E. B. ... NO
 Swanberg, Harold ... N

Rantoul

Taylor, George F. ... BE
 Wainer, Perry ... B

Redmon

Nurnberger, C. E. BNC

Reynolds

Freytag, L. C. ... CDA

River Forest

Charles, G. M. FG
 Joslyn, Arthur E. ... N
 Kane, William ... I
 O'Hanlon, Sister M. E. ... GF

Quinn, Sister M. G. ... CBA

Ryan, Sister M. H. ... G

Timothy, Sister M. ... E

Riverside

Bangs, E. H. M
 Fruth, H. F. B
 Linn, Carl B. C
 Teller, Geo. L. C
 Vivian, Mrs. E. L. FGO

Robbs
Longwell, J. H. ... OCF

Rockford
Bruner, Richard C. CN
Fernald, Evelyn I. G
Johnson, Miss A. F. B
Purdy, George C. MKB
Richardson, D. ... F

Rock Island
Cederberg, W. E. ADB
Fryxell, F. M. ... EFG
Larson, Karl G. ... BD
Nothstein, I. O. ... OLK
Yingling, Hal C. ... GFE

St. Elmo
Kanatatz, C. Leplie . . F

Savanna
Round, Oliver H. MEC

Springfield
Bonn, George S. ... CM
Byerley, J. R. ... FGQ
Deuel, Thorne ... HIF
Dougherty, E. R. ... F
Downing, W. C. Jr. . .

MBA
Gallahue, J. T. ... BAO
Helme, H. R. ... D
Hockenoy, G. L. ... CFG
Holtz, Frederick C. M
Jones, A. J. ... NCO
Ledgewood, R. ... IN
Light, F. W. ... NA
Mianks, Viola M. NFG
Richardson, B. K. ... NO
Spaulding, Charles C.
Vernon, Georgell. N
Weart, J. G., Jr. ... CGM

Sterling
Jones, Silas ... I
Ward, Philip H. ... FG

Urbana
Adams, Leverett A. FG
Adams, Roger ... C
Anderson, H. W. ... GO
Anderson, H. H. ... IQ
Bailey, Harold W. A
Baker, P. C. ... EF
Baker, Robert H. ... DB
Baldus, Walter V. ... F
Bamber, Lyle E. ... F
Barker, Roger G. ... IFQ
Bartow, Miss V. ... C
Bayley, Wm. S. ... E
Beardles, Miss J. R. CN
Beard, J. Howard ... NQ
Bell, Alfred H. ... E
Blair, J. C. ... O
Blanchard, R. A. ... FO
Boewe, G. H. ... GO
Brannon, J. M. ... GNC
Buchholz, John T. ... G
Burmeister, B. R. ONF
Buswell, Arthur M. . . C

Urbana, Cont'd.

Cady, Gilbert H. ... E
Carman, Albert P. ... B
Carmichael, R. D. . . AL
Carroll, W. E. ... OCF
Carter, C. W. ... EBC
Case, H. C. M. ... KO
Clark, George L. ... CB
Cobb, T. H. ... Q
Coble, Arthur B. ... A
Cockrum, E. E. ... OGK
Colby, A. S. ... OGQ
Compton, Charles C. F
Cowie, John T. ... IN
Ciathorne, A. R. ... AK
De Turk, E. E. ... OCG
Doerner, Herman B. GO
Dorsey, M. J. ... GO
Dungan, Geo. H. ... OG
Ekblaw, G. E. ... EFM
Enger, M. L. ... M
Englis, D. T. ... C
Fairbanks, B. W. ... OC
Finan, John L. ... IN
Fletcher, Harris. . . LO
Flint, Wesley P. ... FGQ
Frison, Theodore H. F
Fuson, R. C. ... C
Gaines, W. L. ... OF
Geith, Hans H. ... K
Gianturco, Cesare . . N
Gillespie, James B. . N
Graham, Robert ... FN
Griffith, Coleman R. I
Hagan, Wallace W. . E
Hague, Miss M. S. ... G
Hall, B. Vincent ... FN
Hanks, L. M., Jr. . . IHK
Harrill, T. Willard . I
Hayward, H. N. ... MQB
Heusinkveld, D. ... OG
Hiller, E. T. ... KH
Hoff, C. Clayton ... FG
Hopkins, B. Smith ... C
Hottes, Charles F. . G
Huelsen, Walter A. OG
Jordan, Harvey H. . M
Keyes, D. B. ... CBM
Knight, A. R. ... MBQ
Knipp, C. T. ... B
Kudo, R. R. ... FN
Lamar, J. Everts ... E
Larsh, Howard W. CF
Leighton, Morris M. E
Levine, Norman D. FN
Loomis, F. W. ... B
Lorenz, Ralph W. ... B
McClure, M. T., Jr. . I
MacMasters, Miss
Majelm. ... CGB
McMunn, Richard L. O
Marvel, Carl S. ... C
Metcalfe, Clell Lee FNO
Miller, George A. ... A
Mills, Miss R. ... CNF
Milner, R. T. ... C
Mitchell, H. H. ... NCO
Monroe, Walters. . IQ
Moore, H. F. ... M
Morgan, J. H. ... BM
Nakamura, F. I. . . CNO

Urbana, Cont'd

Neuens, W. B. ... ON
Newcomb, R. ... HLM
Noyes, W. A. ... C
Oldfather, W. A. ... L
O'Neal, Russell ... B
Outhouse, Miss J. . CN
Page, John L. ... E
Parr, Miss R. M. ... CQG
Parry, John J. ... LO
Paton, Robert F. ... B
Pennington, L. A. IFN
Pepper, Miss Echo D. A
Piercol, Robert J. . . B
Prosser, C. Ladd . . FN
Putnam, W. J. ... MBE
Quirke, T. T. ... E
Reed, Frank H. ... C
Reich, Herbert J. . MB
Ries, Donald T. ... FO
Roberts, Elmer ... FGO
Robinson, T. W. ... FGC
Rodebush, W. H. ... CB
Rose, W. C. ... CN
Rusk, H. P. ... O
Satterthwait, A. F. . . FGO
Satterthwait, Mrs. E. A. FGK
Savage, T. E. ... E
Schoof, H. F. ... FGN
Schoff, James M. . . EG
Schulz, W. F. ... B
Severens, J. M. . . NFO
Seybolt, K. F. ... LN
Shanor, Leland ... G
Shriner, Ralph L. . . C
Shumway, Waldo . . FN
Smith, B. Othanel ... Q
Smith, L. H. ... CGO
Spaeth, J. Nelson . . GO
Steggenda, F. R. ... N
Stevens, N. E. ... GL
Street, Roy F. ... FO
Sutton, A. H. ... E
Swann, S. Jr. ... C
Talbot, A. N. ... M
Tanner, Fred W. . . NCG
Tawney, G. A. ... IKQ
Taylor, A. B. ... FNG
Tehon, Leo R. ... G
Terry, Henrietta ... A
Thomas, Lyle J. ... F
Thornberry, H. H. GCB
Tippo, Oswald ... G
Titcomb, Miss Jane . E
Townley, Miss E. . . E
Trelease, William . G
Tritzinsky, W. J. . . A
Tykociner, J. T. . . MBK
VanCleave, H. J. . . F
Vestal, Mrs. W. M. P. G
Voskuil, W. H. ... KGE
Waldo, Edward H. . M
Wallace, G. I. ... C
Wanless, Harold R. . E
Ward, H. B. ... FN
Watson, F. R. ... B
Weber, Oscar F. ... Q
Whiting, A. L. ... FGO
Wickelham, L. J. . . GN

Urbana, Cont'd.

Williams, E. H. ... B
Wilson, Miss F. L. . NG
Wilson, W. M. ... MBA
Wolf, Donald E. ... C
Womack, Madelyn . C
Woodrow, Herbert . I
Woodworth, C. M. . GO
Yapp, Robert G. ... C
Znaniecki, Florian . . K

Vienna

Creager, Mrs. M. . . FGQ

Waukegan

Durham, O. C. ... GND
Lake, George B. ... NKL
Peters, Paul E. ... CBA
Swope, Miss G. ... CAB

Western Springs

Ronneberg, C. E. . . BCD

Wheaton

Buswell, J. O., Jr. . . KQ
Carpenter, C. K. ... FG
Cole, G. G. ... KHE
Cooke, Robert L. ... QI
Dixon, Miss H. . . GEF
Eavey, C. B. ... IQ
Fawcett, C. G. ... C
Grigolia, Alexander H.
Leedy, John ... GE
Mack, James B. ... F
Stanley, Paul E. ... B
Taylor, H. O. ... BAD
Wright, Paul M. ... CEB

Wheeling

Neumann, Fred R. . . EQ

Wilmette

Billow, Clayton O. . M
Davis, David John . . N
Gillon, Mrs. M. S. CBD
Jones, Hilton Ira . . C
Nuzum, John W. ... N
Snow, L. H. ... N
Struven, Edw. D. KMQ
Weaver, George H. . . N

Winnetka

Alscher, Mrs. R. H. . IQ
Bradshaw, Miss D. A. I
Frazer, G. E. ... KA
French, D. K. ... CM
Henderson, L. M. ... C
Hilpert, Willis S. . . C
Humphrey, H. K. ... M
Lebeson, Herman . . C
McEwen, W. K. . . CFN
Ruckmick, C. A. ... I
Sauer, Louis W. ... N
Starr, Paul ... N

Woodstock

Marsh, Charles . . BDP

Zion

Scripter, Otis ...

INDIANA

Bedford

Guernsey, E. Y. ... H
Kriebel, Ralph M. GFO

Bloomington

Andrews, Frank M. . E
Badertscher, J. A. . . N
Bittner, W. S. ... HK

Bloomington, Cont'd.

Book, William F. ... I
Broyles, Ralph ... C
Bryan, W. L. ... IK
Cleland, Ralph E. . G
Conklin, Edmund S. . I
Cumings, E. R. ... E
Davis, Roland C. ... I

Bloomington, Cont'd.

Edmondson, C. E. . . FN
Fidlar, M. M. ... ECD
Franzen, Carl G. F. .
Galloway, J. J. ... E
Harmon, Paul M. ... N
Hartman, R. J. ... CBA
Hecht, Adolph ... G

Bloomington, Cont'd.

Kanning, E. W. ... CBA
Kantor, Jacob R. ... LIH
Kelllogg, W. N. ... I
Kinsey, Alfred C. . . F
Logan, William N. . . E
Lohman, Marion L. . G
Louttit, C. M. ... IHK

Bloomington, Cont'd
 McClung, L. S. NOC
 Malott, C. A. E
 Miner, W. B. BCQ
 Mitchell, A. C. G. BC
 Moore, Marvin G. ABD
 Payne, Ferdinand F
 Ramsey, Rolla Roy F
 Robinson, Miss U. CN
 Roff, Merrill I
 Scott, V. Brown N
 Smith, H. L. O
 Snoddy, George S. I
 Sonneborn, T. M. FGK
 Switzer, J. Elmer E
 Thornbury, W. D. E
 Topper, Robert C. IKN
 Torrey, T. W. F
 Visser, S. S. E
 Weatherwax, Paul G
 White, Jesse Hayes IO
 Williams, K. P. AD

Bluffton

Caylor, Harold N
 Deam, Charles C. G

Boonville

Snyder, W. T. OG

Camby

Zerfas, Leon G. NC

Carmel

Grubbs, S. B. N

Chesterton

Rogers, T. Hunton C

Clarks Hill

Bryant, Mrs. D. FGQ

Collegeville

Kroeckel, C. J. FBG

Crawfordsville

Bechtel, A. R. G
 Furgason, W. H. FG
 Gantz, E. St. Clair CBE
 Howell, L. B. COG
 Polley, J. C. ABK
 Scott, J. Paul F

Culver

Kernohan, R. H. BQ

Danville

Hunt, Virgil CBA
 Steinbach, L. I. BCP

Dexter

James, Louis E. BCA

East Chicago

Phillips, Ernest B. CD

Evansville

Aleck, A. W. QI
 Bulls, Charles E. CNF
 Carman, K. W. E
 Cope, Alfred B. IO
 Hedman, Fritz A. CBM
 Ma, Frederick CN
 McDonald, F. G. C
 MacKenzie, Pierce N
 Stanton, Harmon L. N
 Strickler, Alvin N
 Young, Leonard KQ

Fort Wayne

Bick, J. A. C
 Breeze, F. J. E
 Farnsworth, P. T. BM
 Hull, Louie R. B

Fort Wayne, Cont'd.

Kline, J. J. M
 Lichtenberg, C. MBI
 Rawles, L. T. N
 Rhamy, B. W. NCG
 Williams, J. A. CNP

Franklin

Kent, John F. FG
 Mullendore, Miss N. G

Gary

Kobrak, Heinrich NI
 Lieberman, Arnold NF
 Stoycoff, Christ M. N
 Sturm, Tillie FG

Goshen

Lehman, Daniel A. AD

Greencastle

Blanchard, W. M. C
 Edington, Willie ABD
 Giddings, Glenn W. BA
 Hickman, C. P. F
 Martin, W. E. FNH
 Middleton, W. C. IOF
 Reynolds, Albert E. F
 Smith, Ernest Rice E
 Smith, Orrin H. B
 Welch, Winona H. G
 Yunker, T. G. GNO

Hammond

Forster, N. K. N
 Kuhn, Hedwig S. NKO
 Kuhn, Hugh Alva N
 McAtee, Miss V. FG
 Tennant, T. R. CO

Hanover

Guthrie, Ned C
 Hyatt, Joseph L. FG
 Martin, E. B
 Meyer, H. A. AKB

Hartford City

Baker, Miss Lora E
 Pearson, Miss H. R. QA

Holy Cross

Eggleston, Sister M. F. IO
 Lucretia, Mother M. CGN

Huntington

Loew, Fred A. G
 Mason, Harold
 Wimmer, Miss R. M. CQE

Indianapolis

Arnott, E. H. F
 Bibbins, F. E. CNP
 Black, Glenna H
 Black, R. L. FG
 Blatchley, W. S. F
 Brosey, Charles L. B
 Bruner, Henry Lane F
 Campbell, M. S. NCG
 Campbell, Miss M. F. FGH

Carter, J. W., Jr. IHN
 Chen, K. K. Np
 Clark, C. F. N
 Clowes, G. H. A. CN
 Clute, W. N. G
 Coulter, Stanley G
 Cox, Clare F. G
 Culbertsen, C. G. N
 Doyle, John J. IQH
 Dunwoody, J. R. C
 Feuerlicht, M. M. LKI

Indianapolis, Cont'd

Fisher, G. A. C
 Fisk, Frank B. CN
 Fiske, A. Hastings NC
 Fortune, W. B. C
 Friesner, Ray C. G
 Gilman, L. H. NCK
 Grant, Charlotte L. G
 Hadley, Murray N. N
 Hamp, Frank A. GFN
 Hanley, W. A. MKA
 Hanske, Carl F. CO
 Harger, R. N. C
 Harris, Paul N. N
 Hartley, Harry D. BCE
 Haynes, Edith NG
 Helmer, Oscar M. C
 Henderson, Miss R. V. CGF

Hightower, P. R. IOH
 Hulpie, H. R. NpFC
 Jamieson, W. A. NC
 Kiser, Edgar F. NL
 Kohlstaedt, K. G. N
 Krah, M. CNF
 Lapenta, Vincent A. N
 Lee, H. M. NpC
 Lilly, Eli CHN
 Link, Goethe D
 McCaskey, Carl H. N
 Moser, Rollin H. N
 Nester, H. G. FNC
 Noble, T. B., Jr. NH
 Olive, E. W. G
 Page, I. H. NC
 Pearson, Nathan E. F
 Peavey, Mrs. L. GB
 Powell, H. M. N
 Price, James F. BCA
 Pulfrey, A. L. CM
 Ratti, Gino LOK
 Rawls, Miss E. S. GNO
 Remke, Sister M. N. C
 Rhodehamel, H. W. C
 Rice, Thuman B. N
 Richardson, W. L. OI
 Ritchey, J. O. N
 Sage, Russell A. NFII
 Schley, George B. CBM
 Shuler, Lacey L. N
 Spaulnhurst, J. F. N
 Sullivan, Russell D
 Swanson, E. E. Np
 Thompson, H. B. BAC
 Thornton, H. C. N
 Wade, Frank B. C
 Weaver, F. R. ME
 Weaver, M. M. FN
 Wishard, Wm. N., Jr. N
 Wright, H. F. FGE
 Wright, John S. G

Jasonville

Liston, Jesse G. EIQ

Kentland

Rector, Miss Avis CAN

La Fayette

Arthur, J. C. G
 Brunson, A. M. FGO
 Bucl, Miss Eva L. CNO
 Bushnell, T. M. O
 Caldwell, Ralph M. G
 Cartwright, W. B. F
 Corley, Ralph C. NC
 Davis, John June F
 Degering, E. F. I
 Duff, Miss Helen Q
 Elliott, Edward C. Q
 Girton, Raymond E. G
 Greene, Laurenz O
 Hauge, Sigfred M. CO
 Headlee, W. H. FN

La Fayette, Cont'd.

Hiestand, Wm. A. FGN
 Johnson, A. P. MI
 Kennedy, Glenn CN
 Knight, F. B. IO
 Kraybill, H. R. CG
 Lambert, W. V. FO
 Lanczos, Cornelius AB
 Lark-Horowitz, K. B
 Lee, C. O. CGNP
 Ludy, Llewellyn V. MQ
 Luginbill, Philip F
 McClintock, J. A. GO
 Mackay, Elizabeth G
 Montgomey, B. E. FO
 Painter, H. K. F
 Pearce, D. W. CE
 Peters, Sister J. EOJ
 Redfield, Gail M. OOB
 Reed, Harry James IO
 Remmers, H. H. IO
 Ross, David E. M
 Samson, R. W. G
 Schuck, Cecelia NNC
 Serviss, Fred L. EMII
 Shreve, R. Norris C
 Smith, Albert C.
 Smith, W. W. O
 Stewart, G. W. EMD
 Stratton, D. C. QIK
 Test, L. A. CF
 Trimble, Otis C. THQ
 Walter, E. V. F
 Wean, Robert E. CGO
 White, V. B.
 Wiancko, A. T. O

Marion

Huffman, J. A. ELO
 Young, J. H. C

Michigan City

Klouman, I. I. MCB

Milroy

Mcllvaine, Miss M. AD

Mishawaka

Bennett, R. G. CB
 Blakeway, W. F. CAB
 Huff, C. Elton CBN

Muncie

Christy, O. B. FG
 Clauser, E. I. NIK
 Cooper, Robert I. FQ
 Fenimore, H. Emory CBA
 Hurlbut, Floy EK
 McCormick, R. N. FN
 Montgomery, L. G. N
 Peters, Robert J. CDE
 Scarf, Robert IO
 Stephens, J. A. B
 Watts, Miss M. GFE
 Weber, Robert C. CN
 Woodruff, N. H. FGA

North Manchester

Kintner, Edward FG
 Morris, C. S. BD
 Neher, O. W. GO
 Ulrey, Clayton T. B
 Weimer, Harry R. C

Notre Dame

Bolger, H. J. B
 Collins, George B
 Greene, R. L. NMC
 Haas, Arthur E. BDA
 Jackson, D. C., Jr. MQ

Notre Dame, Cont'd.

Just, Theodor GFE
Kaczmarek, R.M. NGF
Maurus, E.J. A
Menger, Karl A
Molter, John A. F
Noecker, N.L. G
O'Grady, D.C. I
Reyniers, James A. N

Oakland City

Laidlaw, H.H., Jr. FOG

Paoli

Bentley, Arthur F. ..K

Red Key

Rosenkrans, R.R. EAB

Rensselaer

Babcock, W.C. M(O)

Richmond

Hole, Allen D. E
Maikle, M.S. G
Wildman, Ernest A. C
Wilson, A.H. EFG

St. Mary-of-the-Woods

FitzGerald, D. C
Lucy, Sister M.R. FNG
O'Connor, Miss M.W. G

Seymour

Osterman, Henry NpC

Sharpville

McReynolds, L.W. FG

Shelbyville

Inlow, W.D. NIB

South Bend

Baldinger, L.H. CN
Boskey, S.C. F
James, William S. BCM
Lyon, M.W., Jr. FNC
Lyon, M.M.B. N
Schubert, Carl C. CBF
Sparrow, Stanwood .M

South Whitley

Germann, A.F.O. CON

Spencer

Banta, Miss Edna . GF

Sullivan

Thompson, W.N. CN

Terre Haute

Dale, J.K. C
Graam, D.G. NFC
Howlett, Berton A. ..B
Johnson, David F. F
Knipmeyer, C.C. MBQ
Mackell, J.F. BD
Martin, Jerome .CBA
Moorhead, James J. .N
Morey, Glen H. C
Noyes, Bessie F
Prentice, D.B. M
Shontz, Miss G. QFG
Smith, Ben H. C
Strong, Ralph K. C
Tirey, Ralph N. QIK
White, John C

Tipton

Glass, Leroy C. FNQ

Upland

Ayres, B.W. IQK
Draper, Miss O.M. ABD

Evans, G.H. CBA
Ritchie, Earland B
Stuart, R.L. C

Valparaiso

Amstutz, Noah S. BM
Cushman, P.A. M
Elliott, Frank R. FNG
Larson, R.G. C
Thrun, Walter E. CN

Vincennes

Pierce, Leslie G

Wabash

Black, Roy D. C
Bues, Harry W. QIA

Waldron

Wagoner, K.S. I

Warsaw

Miner, Dewey H. BFM

West Baden Springs

Lemmer, J.G. ABC

Westfield

Doan, Martha C
Newcomer, J. Leon MB

West Lafayette

Abbott, Raymond B. .B
Allen, Fred J. CBQ
Behrens, Charles A. .N
Brewer, P.H. O
Cable, Raymond M. FC
Carr, R.H. C
Cope, D.S. CM
Cramer, S.S. Q

West Lafayette, Cont'd.

DeKay, H.G. NpCO
Dunham, D.H. FGN
Enders, H.E. F
George, R.H. BCM
Herrick, T.J. MAB
Hoffer, George N. F
James, C.M. FNO
Jerome, Eldon K. I
Jordan, C.B. CNp
Kelly, E. Lowell I
Maddox, James S. INB
Martin, J. Holmes O
Matthews, Miss M.L. KIO

Meikle, G Stanley M
Mellon, M.G. C
Munro, G.W. MBQ
Newton, Roy F. CBA
O'Shea, Harriet E. IQK
Pacey, Guy M
Poorman, A.P. QM
Porter, Charles L. G
Potter, A.A. MBA
Rifenburgh, S.A. FNO
Robbins, Charles K. A
Shreve, D.R. AQM
Shuman, John R. FG
Sprague, C.S. MBA
Starr, Edw. C. OGC
Stedman, C.K. BEM
Steer, M.D. INB
Templin, Miss M. IQN
Troop, James F
Zscheile, F.P., Jr. CGO

Whiting

McNeil, C.P. C
Roberts, E.N. C

Wolcottville

Pierce, Miss M.E. IEK

IOWA**Adel**

Straight, H.R. MCB

Alta

Hadden, David E. DC

Ames

Aikman, J.M. GOC
Bakke, Arthur L. G
Barre, Henry J. MOB
Becker, Elery K. FN
Benbrook, E.A. NF
Bergman, H.D. NQC
Bird, Emerson W. CO
Brown, F.E. CQB
Brown, L.T. M
Buchanan, R.E. NGO
Buchholz, W.F. GO
Clark, Norman A. COG
Coover, Winfred F. C
Craft, W.A. OF
Dana, Forest C. MAQ
Drake, Carl J. F
Edgar, Miss Rachel .C
Errington, P.L. FGE
Evans, J.E. IQK
Foladare, Joseph OKB
Foust, H.L. CFN
Fox, Gerald W. B
Fritz, Martin F. I
Fulmer, Ellis I. C
Gaessler, W.G. CO
Gaskill, Harold V. I
Gilkey, H.J. MAQ
Gilman, Henry C

Ames, Cont'd.

Gilman, J.C. G
Goodman, George J. G
Gouwens, Cornelius .A
Gowen, J.W. F
Gwynne, C.S. EQC
Harber, William L. C
Harris, Halbert M. FG
Hayden, Ada G
Heiser, M.D. OCQ
Herr, Miss G.A. A
Hewitt, E.A. NCO
Holl, Dio Lewis .ABM
Hughes, H.D. OGO
Kildee, H.H. O
Knight, Harry H. F
Kunerth, William BCD
Larsen, Julius A. GO
Lauer, A.R. IQF
Lee, J.S. C
Levine, Max N
Lindstrom, E.W. GFO
Lonsdale, John T. E
Loomis, W.E. GO
Lucas, Alfred M. FN
Lucas, M.S. FN
Lusk, Jay L. FO
McBryde, C.N. N
McKelvey, J.V. A
McNutt, S.H. NF
Martin, John N. G
Melhus, Irving E. G
Morgan, Barton C
Nelson, V.E. CNO
Paddock, F.B. F
Park, O. Wallace F

Ames, Cont'd.

Pickett, B.S. OG
Pierre, W.H. OGC
Plagge, Herbert J. B
Poor, Miss M. FG
Porges, Nandor CG
Porter, R. Howard .GO
Pultz, L.M. GO
Rayman, M.M. CFN
Reddy, Chas. S. G
Richardson, C.H. F
Ruth, Burrell F. C
Sanders, Earl FG
Schulz, J.A. CNO
Schwarte, L.H. N
Shane, Adolph BM
Smith, Erma A. FN
Snedecor, G.W. B
Spatz, Sydney M. CNF
Spinney, L.B. B
Sprague, George F. GO
Stiles, Harold B
Strawn, Miss B.M. CBF
Swanson, Lydia V. M
Sweeney, O.R. M
Tauber, Oscar E. NFC
Underkofer, L.A. CGO
Vance, Thomas F. IQ
Wellhouse, Walter H. FG
Werkman, C.H. N
Wert, James E. QI
Willson, L.H. Q
Wilsie, Carroll P. OGC
Winsor, C.P. AFG

Ames, Cont'd.

Woodrow, Jay W. B
Yoder, Lester CN
Young, George Y. G

Anamosa

Smith, Paul N. O

Carroll

Anneberg, Reas NT

Cedar Falls

Begeman, Louis B
Grant, Martin L. GF
Heinonen, J.C. QGF
Kadesch, W.H. B
Lantz, C.W. GOQ
Parish, Jessie A. GF
Rath, H. Earl NF

Cedar Rapids

Beetham, R.B. MBA
Coffin, Leroy M. AB
Foster, C.S. Nd
Mulrow, F.W. N
Newell, Walter S. I
Stiles, Karl A. F
Stookey, S.W. EG
Tibau, Sister M.E. FGN

Charles City

Cavett, Jesse W. CN
Morehouse, Neal F. F

- Cherokee**
Obermann, C.F.N
- Clarinda**
Neal, O.R.O
- Clinton**
Peckham, Geo. T., Jr.CMP
- Davenport**
Hauber, U.A.FEG
Kornder, L.H.NFG
Lillis, G.A.C
Mast, Gifford M.MIB
Shipman, Truman G.B
- Decorah**
Highby, Paul R.FON
Hoslett, Sherman FGI
Miller, Emil C.BAQ
Norlie, O.M.IKA
Stabo, T.I
Waldeland, C.R.CN
- Des Moines**
Beer, PaulM
Bierring, Walter L.N
Brandt, Herman F.IB
Chamberlain, L.H.Np
Cook, C.P.NCI
Fowler, OliverIC
Holton, Ruby AnaQ
Huff, George C.FNG
Hunter, R.G.KA
Johnson, Miss A.L.KIO
Johnson, Leland P.F
Morehouse, D.W.D
Nollen, Henry S.DBA
Reed, Charles D.BO
Rider, Arthur J.CO
Ritchey, Charles J.LO
Sanders, W.E.N
Sayre, E.V.CAD
Shawhan, Mrs. F.M.FG
Sylvester, R.H.I
Weeks, CarlCN
Wifvat, S.J.A.BD
Wilson, Ward H.CBD
Yoder, Lee O.E
- Dubuque**
French, R.A.FG
Geiger, Sister M. J.T.FGI
Goldsmith, W.M.FG
Heitkamp, G.W.BE
Lutes, Neil T.C
Schulte, George N.CB
Wight, M.G.QIK
Zuker, W.B.C
- Fairfield**
Carter, CharlesEFG
Clarke, J.F.N
Dole, J. WilburEG
Gunthorp, Horace .. F
- Fairfield, Cont'd.**
McKenzie, R.M.C
Vinton, Miss C.A.CN
- Fayette**
Black, Clarence J.CM
- Fort Dodge**
Kluever, H.C.N
- Fort Madison**
Casey, Robert S.CMB
- Grinnell**
Adams, J. AlfredF
Conard, Henry S.G
Douglass, L.C.IQH
Henderson, Mack T.I
Norris, H.W.F
Sargent, LouisaG
- Hedrick**
Hinds, R.E.O
- Indianola**
Doty, H.S.GFO
Emmons, C.W.A
- Iowa City**
Alcock, N.G.N
Allen, James H.N
Annis, Albert D.IK
Ash, EltonIO
Barnes, Milford E.N
Bartow, EdwardC
Beams, H.W.F
Berg, Clarence P.CN
Bijou, Sidney W.IQH
Bodine, J.H.FNC
Bond, Perry A.C
Brinkhaus, K.M.NCF
Bryan, A.W.Nd
Carothers, E. Eleanor F
Coleman, George H.C
Croft, Huber O.M
Davies, G.R.K
Dennison, R.A.G
Dill, Homer R.F
Edwards, Miss B.NC
Ensign, F.C.Q
Evans, TitusF
Fairbanks, GrantIB
Fellowes, O.N.N
Flocks, RubinN
Hale, William M.N
Heeren, Ralph H.N
Hershey, H.G.EM
Horn, ErnestQ
Houser, G.L.F
Ingram, W.R.N
Jahn, Theo. L.FG
Kay, G.F.E
King, Robert L.F
Knapp, Miss E.CNF
Knower, F.H.IQK
Knowlton, G.C.NCF
Kuever, R.A.NpC
Kurtz, EdwinMK
Lambert, Avery E.N
Lewin, KurtIKH
Lierle, Dean M.N
- Iowa City, Cont'd.**
Loehwing, W.F.GCO
McBroom, Miss M.Q
McClintock, John T.N
MacEwen, E.M.HFN
McGeoch, John A.IQ
Marsh, GordonFG
Martin, George W.G
Mattill, Henry A.CN
Meier, Norman C.IK
Miller, A.K.E
O'Brien, C.S.NC
Ojemann, R.H.QIK
Plass, E.D.N
Raiford, L.C.C
Rietz, H.L.AK
Risley, P.L.FNE
Robertson, W.R.B.FHN
Rowley, H.H.C
Runner, J.J.E
Salit, P.W.C
Seashore, C.E.HIQ
Seegers, W.H.CN
Skeels, Harold M.I
Slifer, Miss E.F
Smith, Fred M.N
Smith, H.P.N
Spence, Kenneth W.I
Stewart, G.W.B
Stoddard, George D.QI
Stromsten, F.A.F
Strother, Charles R.IN
Stroud, J.B.IO
Thompson, Vincent F
Trowbridge, A.C.E
Trowbridge, Miss C.F
Van Epps, C.N
Ward, Lewis E.A
Warner, E.D.N
Wellman, BethQI
Wheatley, M.D.FNG
Winter, Charles A.NF
Witschi, EmilF
Woodruff, Miss S.CO
Wylie, C.C.DA
Wylie, R.B.G
- Jewell**
Tallman, R.W.QI
- Keokuk**
Knight, F.P.H.C
Wettstein, T.F.PMC
- Knoxville**
Terry, M.C.N
- Lamoni**
Platz, Gustav A.G
St. John, Miss N.B.C
- McGregor**
Sherman, Miss A.R.F
Sherman, E. AmeliaN
- Marshalltown**
Stone, George, Jr.CNF
Wolfe, Otis Rudolph N
Wolfe, Russell M.NOB
- Milford**
Kendeigh, S.C.FGE
- Mt. Pleasant**
Galer, Roger S.BCD
Jaques, H.E.FG
Mitchell, M.B.INQ
- Mount Vernon**
Brooks, Frank G.F
McGaw, F.M.ADB
Miner, Neil A.E
Moots, Elmer E.AMD
- Moville**
Everhart, Calvin C.M
- Muscataine**
Daughness, Lyle C.CNG
Halstead, Mrs. A.L.B.CDG
- Nevada**
Conner, F.H.N
- Osceola**
Hjort, Miss L.V.CQB
Stroy, Herbert E.N
- Oskaloosa**
Stokes, Ella H.QI
- Ottumwa**
Hecker, Friedrich A.N
Walker, EvonN
- Peterson**
Heywood, Mrs. I.I.B.FG
- Plano**
Zintz, Miles V.QI
- Plymouth**
Holroyd, I.I.B.BAM
- Sioux City**
Graber, M.E.ARM
Hoxmeier, Sister M.C.GF
Jepson, WilliamN
Pottebaum, Sister M.E.C
Rochford, Sister M. De
PazziA
- Storm Lake**
Miller, S. PorterCFN
Smith, Frederic F.FN
Wyckoff, R.C.BDA
- Villisca**
Stickler, W. HughFEG
- Vinton**
Jones, David T.FN
- Waverly**
Hertel, E.W.FGN
- West Liberty**
Fenton, C.L.EF

KANSAS

- Atchison**
Blocker, Hubert W.F
Payne, Sister M.A.F
Pretz, P.H.B
Stephens, Homer A.GF
- Clyde**
Raleigh, Walter P.G
- Coffeyville**
Thomas, Ray A.C
- Emporia**
Breukelman, JohnF
Larson, Miss E.E.FG
Miller, R.F.BDE
Peterson, O.J.ADM
Ter Keurst, A.J.Q
- Garden City**
Bennett, DeweyQGF
- Hays**
Albertson, F.W.G
Barton, A.W.CGN
Bugbee, Robert E.F
Hallsted, A.L.OGF
Kelly, Geo. A.I
- Hays, Cont'd.**
Rankin, RoyCN
Robertson, G.M.FE
Rouse, J.E.O
Wooster, L.D.FGE
Zinszer, H.A.BDA
- Hesston**
Driver, D.D.A

- Hiawatha**
 Taber, E.C., Jr. E
- Highland**
 Culbertson, Miss R.M. AB
- Hutchinson**
 Enberg, L.A. CNM
 Morris, Mary Hope
- Kansas City**
 Fecht, A.J. EMA
 Weber, C.J. NC
- Larned**
 Kitchen, Miss M.E. OKA
- Lawrence**
 Allen, H.C. C
 Baumgartner, W.J. F
 Booth, W.E. G
 Dains, F.B. CL
 Eldridge, Seba KF
 Frye, John C. EHB
 Horr, W.H. G
 Hugerford, L.B. F
 Kester, F.E. B
 Larson, Miss M.E. F
 Latimer, H.B. NF
 Latta, Bruce F. E
 Lindley, Ernest H. I
 Lohman, S.W. E
 McLaughlin, Thad. EB
 Mitchell, U.G. ALQ
 Mix, A.J. G
 Orr, Tom G., Jr. N
 Posey, C.J. E
 Price, G. Bailey A
 Reese, J. Allen NCG
 Rice, M.E. BMD
 Schoewe, W.H. E
 Sehmann, Miss M. FN
 Schwegler, R.A. QH
 Sherwood, N.P. N
 Smith, Harold T. E
 Stephenson, E.A. EM
 Stevens, W.C. G
 Stoland, O.O. N
 Storier, N. Wyman DB
 Stouffer, E.B. A
 Stranathan, J.D. B
- Lawrence, Cont'd.**
 Stratton, Geo. W. C
 Swan, M.M. NC
 Tissue, Miss K.A. CNO
 Waite, Herbert A. EMC
 Walling, Miss L.V. N
 Weeks, Miss E. CL
 Wolfson, Charles NFB
 Woodard, Paik H. NC
- Leavenworth**
 Melcher, G.W. KIO
 Proietto, L.J. FGH
 Ringwald, John C. KIH
 Shea, Sister A.E. A
- Lindsborg**
 Deere, Emil Olof FGE
 Kleihege, Geo. W. K
 Welin, John Eric CB
- McPherson**
 Harnly, H.J. F
 Hershey, J. Willard C
- Manhattan**
 Ackert, James E. F
 Ameel, Donald Jules F
 Barnett, Robert J. OG
 Bayfield, E.G. OC
 Brenneman, J.L. MBO
 Bushnell, L.D. GKN
 Call, Leland E. O
 Cardwell, A.B. B
 Clark, Francis E. F
 Cotton, Richard T. F
 Davis, Wilmer E. G
 Dean, Geo. A. F
 Farrell, Francis D. KO
 Frankenfeld, J.C. F
 Gates, Frank C. G
 Gilmore, Lester O. ON
 Grimes, W.E. OK
 Groody, T.C. FNC
 Haarman, M.T. F
 Hartel, L.W. BDA
 Helander, Linn MQK
 Herrick, Earl H. F
 Hunter, James W. OF
 Ibsen, Heman L. OG
 Jugenheimer, R.W. OFG
- Manhattan, Cont'd.**
 Justin, M.M. K
 King, H.H. C
 Laude, H.H. OG
 Lyon, Eric R. B
 McCracken, Miss E. G
 Mackintosh, D.L. O
 Melchers, Leo E. GO
 Miller, Edwin C. G
 Myers, H.E. O
 Nabours, R.K. F
 Painter, R.H. F
 Parker, John H. GO
 Parker, Ralph L. FG
 Peterson, J.C. IOF
 Pickett, Wm F. OG
 Pittman, M.S. N
 Scott, Harold M. O
 Selvihege, Harner MB
 Smith, Roger C. FG
 Smits, B.L. CG
 Sperry, Arthur B. E
 Swanson, C.O. C
 Swingle, C.F. OG
 Throckmorton, R.I. O
 Warren, D.C. FG
 Weber, Arthur D. O
 Willard, Julius T. CBD
 Wimmer, E.J. FN
 Working, Earl B. CG
- North Newton**
 Friesen, A.P. B
- Ottawa**
 Carpenter, A.C. EH
 Pady, S.M. G
 Wilson, W.B. G
- Overland Park**
 Myers, Ben L. NA
- Pittsburg**
 Bawden, W.T. O
 Dellinger, Oris P. F
 Leist, Claude F
 Parks, W.B. C
 Shirk, J.A.G. ADM
 Trent, J.A. GF
 Ulrich, Jacob F
 Wells, J. Ralph N
 Whitney, Miss M.I. EG
- Salina**
 Austin, Stanley G
 Giersch, Sister C. GF
 Moorman, A.E. FG
 Moses, H.N. NFG
 Waring, Sister M.G. CB
- Sterling**
 Loewen, S.L. FNG
 Thompson, D. Ruth C
- Topeka**
 Cook, John W. MA
 Doubt, Miss Sarah G
 Gerundo, Michele NC
 Harshbarger, W.A. AB
 Hunter, Charles A. NO
 Lommason, R.C. G
 Menninger, C.F. GN
 Menninger, Karl N
 Pratt, D.J. GF
 Reed, Burleigh CO
 Schovee, J.C. M
 Shuey, Herbert INK
 Wales, Hugh G.
- Wichita**
 Ayres, H.D. B
 Branch, Hazel E. FNH
 Carey, J. Lloyd EGC
 Cowan, E.A. I
 Crow, H.E. FG
 Horton, J.R. FGO
 Lane, Chas. E., Jr. FN
 McDonald, C.C. G
 Michener, John M. CO
 Palmer, Martin F. FIL
 Parkinson, D.T. Nd
 Philbrick, E.P. E
 Sutter, Loe Albright N
 VerWiebe, Walter A. E
- Winfield**
 Albright, P.S. CB
 Allen, Leroy E
 Burt, Charles E. F
 Dunlevy, Robt. B. E
 Evers, Miss H.F. FG
 Plum, W.B. BAD

KENTUCKY

- Ashland**
 Muncy, Victor E. M
- Barbourville**
 Sturdivant, H. FG
 Teats, Miss J.E. AIQ
- Berea**
 Armstrong, J.W. NIF
 Baker, Alson HN
 Bangson, John S. FG
 Cappa, Julian H. CHF
 Dekker, Alberto O. CQB
 Hendricks, T.A. I
 Hoefler, John B. F
 Noll, Waldemar B
- Bowling Green**
 Johnson, L.M. I
 Skinner, J.T. CNQ
- Catlettsburg**
 Kirker, Harry L. MO
- Coral Ridge**
 Moore, Walter L. ADB
- Cynthiana**
 Bromley, H.W. QD
- Danville**
 Bottom, Curtis F
 Cook, E.W., Jr. N
 McMullen, C.B. I
 Rush, R.I. CNO
- Eminence**
 Fremd, L.K. AFI
- Fort Thomas**
 Hess, Miss E.R. CGF
 Humphries, R.N. KEM
- Frankfort**
 Crouch, H.B. F
 Jilson, W.R. E
 Mark, Jessie O
- Georgetown**
 Hinton, Robert T. F
 Wilson, Wm. S. BCA
- Gilbertsville**
 Rhoades, Roger EM
- Golden Pond**
 Pennebaker, B.F. IFK
- Irvine**
 Mercer, Forrest F
- Kyrock**
 Carmichael, H. St. G.T. EKM
- Lexington**
 Allen, William Ray F
 Averitt, Paul E
 Averitt, S.D. BCE
 Best, Harry KLH
 Bortner, Charles E. O
 Boyd, Paul P. ADB
 Brauer, Alfred F
 Caldwell, M.G. KHI
 Cooper, T.P. OK
 Diachun, Stephen GO
 Didlake, M. LeG. FG
 Dimock, Wm. W. FN
 Downing, H.H. A
 Erikson, Statie E. CFA
 Fergus, E.N. OG
 Figgins, J.D. EFH
- Lexington, Cont'd.**
 Freeman, J.F. O
 Freeman, Mrs. L.B. E
 Funkhouser, W.D. F
 Garman, Harrison FG
 Good, E.S. O
 Hottel, Lloyd D. MAD
 Insko, W.M., Jr. CO
 Jeffrey, R.N. GCO
 Jewett, H.H. F
 Johnson, E.M. G
 Karraker, P.E. OG
 Kemper, Durbin C. B
 Kinney, E.J. O
 Leggett, J.L. I
 McFarlan, A.C. E
 McFarlan, F.T. G
 McGee, Frank M. ABC
 McGarbie, J.S. CGO
 McInteer, B.B. G
 Mason, A.C. EMG
 Matthews, J.E., Jr. CBF
 Meyer, M.C. FG
 Miner, J.B. IQ
 Norton, Mrs. Chas. F. F
 Olney, A.J. OG
 Payne, V.F. C

Lexington, Cont'd.

Peter, A.M. CO
 Price, Walter Allen . F
 Rainey, T.W. K
 Reichard, J.D. NI
 Roberts, George . OGC
 Robinson, L. Cass . E
 Steele, Dewey G . FG
 Taylor, William S . Q
 Treadway, W.L. . N
 Valteau, W.D. . GO
 Warburton, Fred W . B
 Weaver, R.H. FGN
 Webb, W.S. BH
 Williams, E.G. N

Louisville

Ambrose, A.M. . NpCO
 Bandeen, S.G. CN
 Beckner, Lucien . EHL
 Bell, Joseph Clark . N
 Bennett, Donald M . B
 Buckman, S.J. . COG
 Bullitt, Wm.M. . DAB
 Cole, Arch E . FNG
 Curry, Gordon L . CG
 Davies, F.A. G
 Dominica, Sister M . FGC
 Epphimer, C.H. . ME B
 Field, Theodore E. . C

Louisville, Cont'd.

Fonaroff, Mrs R.N. . C
 Gardner, William E. . N
 Gordon, Harold . NO
 Heitger, Joseph D. . N
 Homberger, A.W. . C
 Hubbard, Edw.H. . N
 Jensen, Milton B . I
 Johnson, Sydney E . N
 Kennedy, James A . NC
 Kerr, Haydon R . FNG
 Kolachov, Paul . C
 Kornhauser, S.I. . F
 Lawson, Hampden . NF
 Lenz, W.J. BCN
 Loring, Ralph A. . BAD
 McMillen, J.M. . COQ
 Middleton, A.R. . FG
 Middleton, L.DeM. . FG
 Mileti, Otto J. C
 Miller, A.J. MKE
 Miller, Frederick W . J
 Moore, J.W. NO
 Nachod, Carl P. . M
 Nettelroth, A. N
 Rooft, Paul G. FGH
 Scofield, E.H. JMC
 Sherrill, L.J. QIK
 Sohn, Erwin . CM
 South, Lillian H . N
 Speed, Williams S . M

Louisville, Cont'd.

Stark, W.H. NC
 Strull, Charles . DEB
 Thruston, R.C.B. . .
 Unger, E.D. CM
 Willkie, H.F. CMO

Marion

Clement, B.E. . DEH

Morehead

Black, J.G. BA
 Keller, W.H. CBO
 Pennebaker, G.B. . FG

Murray

Hire, Chas. BC
 Wolfson, Alfred M . G
 Wyatt, Miss Grace . FG

Nerinx

Edwarda, Sister Mary . CFG
 Ellingson, Sister M.A. . FGN

Owensboro

Hamvas, L.U. MAB
 Honess, Charles W . E
 Wesley, George R. . EM

Paducah

Gilbert, Alfred H. . G

Paris

Caslick, Edward A. . N

Pikeville

Curtis, James Wylie . I

Richmond

Cuff, Noel B. IO
 Herndon, T.C. CB
 Hummel, A.D. BAM
 Krick, Miss H.V. . GF
 Rice, Miss Lucile . PG
 Schnieeb, Anna A. . QI

Trappist

Dunne, F.M. D

Wickliffe

King, Mrs. B.B. H
 King, Fain W. I

Wilmore

Reynolds, W.R. ... LK

Winchester

Currie, J.W. FG

LOUISIANA**Alexandria**

Eberson, F. NfC

Baton Rouge

Bean, C.Homer IO
 Bray, C.I. OOK
 Brown, C.L. C
 Flint, L.H. GCB
 Huggins, H.H. . NFK
 Krazier, Frank O. . KI
 Menville, Raoul L . C
 Tims, Eugene C. G

Bogalusa

Angelo, Ernest OG
 Fernholz, Donald L . G
 Potter, George F. . GO

Carville

Evans, Florence L. . NC
 Schieswohl, Sister Zoe . CFN

Crowley

Jodon, Nelson OG

Gramercy

Meade, George P. C

Hackberry

Keating, T.W. MCE

Hammond

Cordrey, W.A. AB

Houma

Abbott, Ernest V. . OG
 Arceneaux, George . O

Jeanerette

Rhoad, A.O. O

Lafayette

Claycomb, G.B. FG
 Feusse, E.G. CMQ

Mandeville

Anderson, D.S. . MBA

Marrero

Burns, Robert O. B

Natchitoches

Barr, H.L. GFO
 Fournet, F.G. G
 Fox, Miss L.E. G
 Hussey, Frisculla B . FGN

New Orleans

Anderson, A.J. . CKP
 Anderson, Miss L. . FGQ
 Arnold, J.G., Jr. . FGN
 Ashman, Richard . N
 Aymond, Branch . N
 Bailey, Paul F. . CFN
 Barber, Ernest R. . F
 Bass, Elizabeth . N
 Bethea, Oscar W. . N
 Beyer, Hermann . HL
 Bick, George H. FG
 Bliss, Sidney . CN
 Boatner, C.H. CBN
 Branson, Herman . BAQ
 Buchanan, H.E. AD
 Buggs, C.W. FN
 Burch, George . N
 Burdon, K.L. NFG
 Burns, Edward Leroy . N
 Casey, A.E. NHA
 Chase, Henry, Jr. . FGH
 Cline, I.M. BE
 Cobb, Percy W. NI
 Cohn, Isidore . N
 Cummins, Harold . NH
 Danneker, J.M. . C
 D'Arbonne, M.C. . K
 Daunoy, Harry L. . GOC
 D'Aunoy, Rigney . N
 Davis, Harry A. . NFH
 Dawson, Paul R. . CO
 DeBakey, Michael . N
 Dees-Mattingly, M.B. . NIF
 Delcroix, Miss D.M. . FG

New Orleans, Cont'd.

deMilt, Clara CLN
 Demmon, E.L. OG
 deMonsabert, W.R. . CDI
 Derby, G.McC . MKQ
 Dyke, Ray Arthur . B
 Earle, T.T. G
 Eaton, A.G. N
 Elliott, D.S. B
 Faust, E.C. FN
 Feibleman, James . I
 Fletcher, John M. . I
 Glenk, Robert . FL
 Gould, H.N. FH
 Grueber, Miss E.D. . CQ
 Haas, Anna L. GF
 Halpert, Bela . N
 Hathaway, E.S. . F
 Hibbett, James Orlin . N
 Hopper, L.L., Jr. . CBI
 Howell, W.L. C
 Joachim, Joseph W . M
 Johnson, H.M. IQ
 Kearney, H.L. N
 Lanford, John A. . N
 Lee, Clarence O. . MCE
 Lindner, Milton J. . FGK
 Lockett, A.M. M
 Lyon, James Adair . BD
 Lyons, W.James . BAC
 McLellan, E.L. . CMB
 Maluf, N.S.R. FNC
 Maring, Karl A. BA
 Markley, K.S. COE
 Martin, John G. C
 Matas, Rudolph . N
 Merrill, E.L. NFG
 Meunier, C.J. . BCG
 Monasterio, J.O. . BAL
 Morris, Joseph C. . B
 Moseley, H.W. C
 Musser, John H. N
 Nelson, Erwin E. . Np
 Nelson, Miss M.L. . GFC
 Nix, Jas.T. N
 Noble, Stuart . Q
 O'Hara, J.A. N

New Orleans, Cont'd.

Paterson, Albert B.
 Pearson, Bjarne . NKQ
 Pedrick, N.O.
 Reames, E.E. B
 Reed, Adrian F. N
 Rice, James C. NpC
 Riedel, Ernest . IQ
 Riess, Karlem . ACB
 Schneidau, J.D., Jr. . GFC
 Schenken, J.R. N
 Scott, A.M. MGA
 Scott, W.M. CBO
 Seago, Dorothy W. . IQ
 Smith, Willbur C. . N
 Snyder, Thos E. F
 Spencer, M.C. A
 Steinmayer, R.A. . EM
 Stone, Roger T. PC
 Storck, A.H. NOF
 tenHoor, Marten . QI
 Usher, Robert J. Q
 Viosca, Percy, Jr. . FG
 Wagner, W.A. N
 Wakeley, C.C. GK
 Wakeley, Philip C. . OG
 Wallace, Rains, Jr. . I
 Ward, Kyle, Jr. . CAN
 Westfield, Mrs. M.G. . M
 Wilde, W.S. FN
 Winship, W.E. BCA
 Worner, Miss R.K. CBO

Opelousas

Yeagers, Frank . BAC

Port Sulphur

Ross, J.H. MKH

Ruston

Dawson, Lyle R. C
 Fowler, J.R. F
 Neilson, P.D. BA

Scottlandville

Lawson, J.R. BC

GEOGRAPHICAL INDEX

1049

Scott		Shreveport, Cont'd.		University, Cont'd.		University, Cont'd.	
Boudreaux, Miss L.G.	CNB	Schwartz, Philip	..AB	Cook, William S.	...GF	McCleskey, C.S.	..NOG
Hibert, Claude R.	...O	Schwede, H.F.	BDM	Davis, Horace J.	...OCN	Maher, John C.	.....E
		Witherspoon, F.M.	..K	Eddy, C.O.	.....F	Melampy, R.M.	.....F
Shreveport		Tallulah		Edgerton, C.W.	.....G	Mickey, George H.	..FG
Baker, Glenn J.	.....E	University		Erickson, J.E.	.....CBN	Miller, E.L.	.....FN
Barret, W.M.	...BEA	Young, M.T.		Francioni, J.B., Jr.	.....O	Miller, Julian C.	..OFG
Ebaugh, Irvin A.	CMO			Frey, Fred C.	...KHF	Moreland, C.F.	.....G
Entriakin, John B.	...C			Gates, W.H.	.....FG	Rosewall, O.W.	.....F
Odum, C.L.	.....IQ			Guthrie, D.V.	.....BD	Russell, R.J.	.....E
Parson, H.E.	...GCO			Howe, Henry V.	.....E	Seath, D.M.	.....OF
Ryan, C.E.	...OFO			Kimbrough, W.D.	..GO	Smith, Chas. E.	...F
				Kniffen, Fred B.	...EH	Snell, M.G.	.....O
				LeClerg, E.L.	...GOC	Young, P.C.	.....I

MAINE

Addison		Cumberland Mills		New Harbor		Orono, Cont'd.	
Drisko, W.J.	.....B	Cotton, Linwood	...M	Collie, George L.	...H	Speicher, B.R.	.....F
Auburn		Damariscotta		Northeast Harbor		Steinbauer, G.P.	..GCB
Robbins, Mrs. C., II.	EQO	Smith, Eastman	..BQM	Burr, Maurice H.	MAG	Steinmetz, F.H.	...GO
Augusta		Easton		North Jay		Waring, J.H.	...OGQ
Danforth, G.C.	...MEH	Harribine, Mrs R.P.	N	Kyes, Preston	.....N	Portland	
Marquardt, M.	...NHI	Freeport		North Lovell		Arringdale, R.L.	...E
Woods, Philip W.	...Nd	Conley, Albert D.	...C	Stark, William E.	..QI	Nichols, Estes	.....N
Bailey Island		Gardiner		Orono		Nichols, Miss S.P.	...G
MacNeille, H.M.	AFB	Richards, Henry	KDH	Bailey, R.M.	...OFG	Presque Isle	
Bar Harbor		Great Works		Bennett, C.E.	...BAM	Clark, C.F.	.....GO
Fekete, Miss E.	...NF	Wentworth, W.V.	...C	Bonde, Reiner	...GO	Koch, Karl	.....GO
Little, C.C.	...FG	Houlton		Brautlecht, C.A.	...C	Rumford	
Snell, George D.	...F	Oxnard, H.W.	.....M	Chandler, F.B.	...GO	Mixer, C.A.	...BKM
Belfast		Kedzar Falls		Clayton, Mary M.	...N	Saco	
Mortimer, J.D.	...M	Leavitt, R.G.	...GQ	Corbett, L.S.	...OQ	Dennett, J.V.	...ELH
Boothbay Harbor		Kittery Point		Croft, Charles B.	..B	Skowhegan	
Scattergood, L.W.	FNG	Howells, John N.M.	...	Dickinson, C.A.	...IQ	Smith, Geo Otis	...E
Bowdoinham		Lewiston		Dirks, Charles O.	...FG	South Brooksville	
Dunlap, V.C.	.....G	Cox, W.V.	...NOI	Douglass, Irwin B.	...C	Fairley, A.S.	.....D
Brunswick		Fisher, Lloyd W.	EDB	Dove, W.F.	...FGN	Waterville	
Bartlett, Boyd W.	...B	Mabee, Fred C.	...C	Folsom, Donald	...G	Aplington, H.W., Jr.	F
Burnett, C.T.	...IKF	Pomeroy, Fred E.	FGN	Fuller, John L.	...FG	Chester, Webster	...F
Copeland, Mantion	..FG	Sawyer, W.H., Jr.	..GF	Hilborn, M.T.	...GO	Colgan, Edward J.	..IQ
Hammond, E.S.	...AB	Lisbon Falls		Hill, Arthur S.	...MBA	Hill, Frederick T.	...N
Kamerling, S.E.	...CBF	Schultz, Norman L.	..A	Jordan, M.F.	...AD	Parmenter, G.F.	...C
Little, N.C.	...BM	Monhegan Island		Lathrop, Frank H.	...F	Wheeler, N.E.	...B
Mason, M. Phillips	..IL	Weidensall, Jean	..NI	Libby, Winthrop	OGE	Yarmouth	
Miller, Vernon L.	..IFH	Naples		Martin, F.T.	...C	Coggeshall, G.W.	CBM
Moody, W.A.	.....A	Baltimore, Cont'd.		Nelson, E. Clifford	..FN	York Beach	
Cape Elizabeth				Otto, Carl E.	...CQB	Baldwin, W.M.	..NHF
Warren, Mortimer	..NS			Otto, Mrs E.B.	...CQB		
				Patch, Edith M.	...F		
				Raleigh, S.M.	...O		
				Simpson, G.W.	...FGO		
				Smith, Harry W.	..NOC		

MARYLAND

Aberdeen Proving Ground		Baltimore		Baltimore, Cont'd.		Baltimore, Cont'd.	
Dederick, L.S.	.....A	Abercrombie, R.T.	KN	Becker, Miss J.E.	...CN	Cann, Sarah Dunlap	..I
Kent, R.H.	.....B	Adams, Miss G.	...C	Bernheim, B.M.	...N	Caplan, Maurice	...PQ
Annapolis		Allan, Warde B.	...N	Berry, C.T.	...EF	Ceder, Elmer T.	...N
Bayliff, W.H.	...FG	Aliner, Fred A.	...MP	Berry, Edward W.	EFG	Chapman, C.W.	..NCF
Bingley, G.A.	...ABM	Anderson, J.L.	...EBC	Blumberg, Harold	..NC	Chen, T.T.	...F
Bramble, C.C.	...A	Andrews, Ethana.	..F	Boas, George	...LK	Chesney, Alan M.	...N
Church, W.R.	...AMB	Arnold, W.S.	...CM	Bojar, Samuel	...NI	Clapp, Clyde A.	...N
Howard, D.G.	...MB	Astwood, E.B.	...NFC	Bond, Francis M.	...M	Clark, W.M.	...C
Jackson, P.Y.	...CNE	Bacon, Clara L.	...A	Bordley, James, III.	...N	Cloos, Ernst	...E
Ryberg, M.E.	...CFG	Bagusin, A.M.	...NFG	Bowman, Isaiah	...E	Cohen, Abraham	...A
Scarborough, J.B.	ABM	Ball, Josephine	...INF	Brailley, Miriam	...NF	Cohen, Barnett	...CN
Terwilliger, C.V.O.	MA	Bamberger, Miss F.E.	...LO	Brooks, C. McC.	...NF	Cornor, G.W.	...N
		Bard, Philip	...NF	Brown, J.H.	...FN	Cort, W.W.	...FN
		Barrett, John.	...Q	Brown, Thomas R.	...N	Corwin, Alaph H.	...C
		Barton, Viola P.	...BDA	Buell, Mary Van R.	...N	Cowles, Rheinart P.	..F
		Batchelder, A.C.	CNB	Bunting, G.A.	...CND	Crowe, Samuel J.	...F
		Bearden, J.A.	...B	Burns, R.K., Jr.	...FN	Cullen, Thomas S.	..EN
				Calloway, M.L.	...F	Dandy, Walter E.	...N

Baltimore, Cont'd

Davis, Carl N
 Davis, John Staige N
 Davis, Paul B. CBE
 Day, Harry G. C
 Delaney, John P. BDE
 Didusch, Joseph S. N
 Dooley, Sister M. D. CO
 Dorsey, George E. E
 Dorsey, J. L. N
 Du Mez, A. G. CNPQ
 Dunning, F. CN
 Dunning, H. A. B. NO
 Edwards, W. R. M
 Eliot, Calista P. N
 Estabrook, G. B. BC
 Evans, Mrs. M. IN
 Evans, Miss V. J. NCF
 Fales, W. Thurber NK
 Ferree, C. E. IN
 Figge, Frank H. J. NCF
 Filley, Giles NCI
 Firor, Warfield M. N
 Frehafer, M. K. B
 Friedenwald, Harry N. N
 Friedenwald, J. S. N
 Friedenwald, Julius N. N
 Friez, Lucien L. NG
 Frobisher, M. Jr. NG
 Gantt, W. Horsley NIL
 Gay, Leslie N. N
 Gemmill, C. L. N
 Genter, A. L. CMB
 Geschickter, C. F. N
 Gey, George O. NCB
 Gillis, Andrew C. NH
 Glass, H. Bentley FG
 Goldheim, S. L. CB
 Grimsley, G. P. E
 Guernsey, E. W. CB
 Guild, Stacy Rufus N
 Hachtel, F. W. N
 Hamburger, Louis P. N
 Hamman, Louis N
 Harne, O. G. N
 Harris, J. E. N
 Hartman, Carl G. FN
 Hartung, Walter H. C
 Hearn, J. R. A
 Hegner, Robert W. F
 Hellerman, Leslie CN
 Helms, S. T. CN
 Herrmann, Heinz N
 Heuser, Chester H. N
 Hildebrandt, F. M. CFG
 Hoen, A. B. E
 Holt, L. Emmett, Jr. N
 Howard, Evelyn NCF
 Howell, A. Brazier FN
 Howell, Wm. H. N
 Hubbard, John C. ABC
 Hughes, Miss G. F. FGN
 Hulbert, L. S. A
 Hundley, J. M., Jr. N
 Hunner, Guy LeRoy N
 Hussey, R. NAB
 Hyde, R. R. FGN
 Iddings, F. T. M
 Jacobson, Samuel NC
 Janney, Miss M. O
 Judefind, W. Lee CBE
 Karrer, S. BC
 Katzenbogens, S. NI
 Keiles, Elsa Orent CN
 Kelley, Joseph M. R
 Kelley, Louise C
 Kelly, H. A. NFG
 Kelsey, H. E. Nd
 Kidwell, A. S. F
 Kimball, R. F. N
 King, Jessie L. N
 Knass, Homer C. B
 Koontr, Amos R. N

Baltimore, Cont'd

Kouwenhoven, W. B. M. M
 Kramer, Grace A. OI
 Krantz, J. C. Jr. CNP
 Kraus, Frank CBM
 Krause, Allen K. N
 Lamont, Austin NF
 Langdon, La D. M. G
 Larned, C. W. N
 Lenderking, Miss R. E. FGH
 Leonard, Veader NC
 Leopold, Eugene J. N
 Lewis, Miss F. P. AD
 Lewis, Warren H. NF
 Livingston, B. E. G
 Lloyd, Howard H. C
 Lochhead, John H. F
 Longcope, W. T. N
 Lord, R. C. Jr. CB
 Lovejoy, Arthur O. IK
 Lucas, James R. NCH
 Lynn, W. Gardner F
 MacCallum, W. G. N
 MacCarthy, G. R. E
 Macht, David I. NpGI
 McCollum, E. V. CN
 McComas, E. C. CN
 Mackenzie, C. G. NCF
 McNicholas, Sister M. A. NCF
 Malone, Kemp L
 Marbarger, John FEC
 Marshall, E. K. Np
 Martin, Lay NC
 Mast, S. O. F
 Mathews, E. B. E
 Maxcy, K. F. N
 Meid, Miss E. L. FGI
 Merrell, M. AKN
 Meyer, Adolf IN
 Meyer, Eugene, III. F
 Michel, Harry N
 Moment, G. B. F
 Murnaghan, F. D. AB
 Myers, R. P. NO
 Nachlas, William N
 Norwood, V. H. NCB
 Oliver, J. R. N
 Otto, Miss Belle C
 Otto, G. F. NF
 Pace, D. M. FCN
 Parsons, E. I. FCN
 Passano, E. B. M
 Patten, John N
 Pearl, Raymond FHN
 Peller, S. NHF
 Penniman, A. L. Jr. MAB
 Petran, L. A. IO
 Pfund, A. Herman B
 Pincoffs, M. C. NO
 Preston, G. H. NHK
 Pullen, M. W. M
 Raffel, Daniel F
 Rand, Gertrude IN
 Reed, Lowell J. ABD
 Reid, H. F. EB
 Reindollar, W. F. CNE
 Reitzel, Elbert C. N
 Retzer, Robert KIN
 Richards, Esther L. N
 Richter, Curt P. INF
 Robinson, G. Canby N
 Rodowskas, E. L. CBM
 Rohrer, C. W. G. N
 Roman, Irwin ABE
 Rose, J. E. BN
 Roseman, R. CNM
 Rossmann, Louis Nd
 Rozeboom, Lloyd E. FN
 Rubinstein, H. S. NH
 Salner, Edward JKM
 Sauer, John A. MQB

Baltimore, Cont'd

Schultz, Adolph H. H
 Seliger, R. V. INQ
 Shewbridge, J. T. C
 Shuger, Leroy W. C
 Sigerist, Henry E. LN
 Singewald, J. T., Jr. E
 Slack, Harry R., Jr. N
 Smith, Dietrich C. F
 Smith, Miss M. C. G
 Smith, W. E. NFG
 Snyder, C. D. NFG
 Sophian, Lawrence N
 Starkey, E. B. CNQ
 Stein, Charles F., Jr. H
 Stenquist, John L. I
 Stevenson, P. H. N
 Stumson, Miss D. L
 Stone, Harvey B. N
 Streeter, G. L. NF
 Swartz, Charles K. E
 Swinehart, Earl NdHI
 Tasker, Arthur N. NFC
 Taylor, S. N. BDA
 Teets, Donald E. CBA
 Thorn, G. W. N
 Tuttle, C. E. N
 Uhlenhuth, Eduard N
 Ulrich, John Linck N
 van Kampen, E. R. A
 Velick, Sidney CFB
 Waldorf, S. K. MB
 Walls, John A. DMH
 Wardell, Emma L. CN
 Warring, F. C., Sr. N
 Warth, Albin H. C
 Weed, Lewis H. N
 Weeks, John R. BOC
 Weglein, D. E. Q
 Weinberg, Tobias N
 Weitzel, W. F. MBC
 Welch, d'Alte A. F
 Wheeler, Joseph L. K
 Whitehead, John B. M
 Whitehouse, Samuel N. FG
 Willber, C. G. FG
 Willier, B. H. N
 Wolf, J. Carlton CNpD
 Wolf, Miss Opal M. F
 Wolman, Abel MNC
 Wolman, Samuel N
 Wood, F. W. M
 Woods, Alan C. N
 Wylie, E. Boyd NO
 Zon, Leo NN

Bel Air

Hepler, A. L. C
 Leitch, M. S. FNE

Beltsville

Brierley, Philip G
 Burnside, C. E. O
 Clarke, Alfred E. OG
 Dermen, Haig G
 Doolittle, S. P. G
 Drechsler, Charles G
 Earle, I. P. CNO
 Ezell, Boyce D. OCG
 Fischer, Harold E. GF
 Fisher, D. F. GO
 Foster, A. O. FN
 Fraps, Richard M. F
 Goll, Frank L. FGO
 Gordon, C. D. FGO
 Hambleton, J. I. OF
 Harter, Leonard L. GO
 Hetzer, H. O. CN
 Jerstad, Arthur C. FN
 Jones, Henry A. GO
 McCulloch, Miss L. G
 McKay, John W. GF
 Madsen, Louis L. CNO
 Magness, J. R. CGO

Beltsville, Cont'd

Meigs, Edward B. CFO
 Perlmuter, F. OGF
 Porte, William S. GO
 Reed, Clarence A. GO
 Roberts, John W. G
 Sarles, Merritt P. F
 Schott, Mrs. M. H. GF
 Schott, Ralph G. FN
 Schultz, E. S. G
 Toole, Eben H. GO
 Toole, Mrs. V. K. GCO
 Traub, H. P. GCO
 Turner, William A. C
 Waite, M. B. G
 Wellman, F. L. G
 Whitson, Donald OC
 Woke, Paula, A. FN
 Yeager, J. Franklin F
 Zaumeyer, W. J. GO

Berwyn

Butz, Lewis W. CNO
 Dawson, Mrs. E. S. FGO
 Dawson, W. M. OFI
 Wester, Robert E. GOE
 Woods, Albert F. GOK
 Woods, Mark W. GO

Bethesda

Brackett, F. S. B
 Brandt, Allen D. MNP
 Burrill, M. F. EKB
 Chalkley, H. W. FNG
 Cowie, Dean B. BN
 Dorn, Harold F. K
 Dudley, H. C. CN
 Earle, W. R. FN
 Foster, Arthur C. CGO
 Gottschall, G. CNF
 Haller, M. H. OGC
 Hendel, C. W. ILK
 Henshaw, Paul S. FGB
 Hollander, Alex. FBG
 Karpinos, B. D. KA
 Mayer, M. E. CN
 Morris, Harold P. FCO
 Muhse, Effa Funk FGK
 Neal, Paula A. N
 Potter, Alden A. KO
 Reinhart, W. H. NFPC
 Sager, Theron P. CM
 Schrader, Frank C. E
 Shear, M. J. NC
 Smith, Paul L. BC
 Specht, Heinz FN
 Sullivan, H. S. HNI
 Taylor, James H. ADB
 Thomas, Robert C. NO
 Voegtlin, Carl N
 White, Julius NC

Bowie

Darrow, Geo. M. GO

Braddock Heights

Payne, Miss M. A. FNG

Brentwood

French, E. S. ICN
 Winant, H. B. OCE

Catonsville

Johnson, S. Lloyd NC
 Miller, M. I. DEG
 Riley, Robert H. N
 Whitford, Geo. J. FCI

Cheltenham

Hartnell, Geo. BAD
 Ludy, Albert K. EB

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Edgewood Finkelstein, Leo. CB Katz, S. H. CMB Lane, Frederick W. C Leitch, James L. CFN	Ellicott City Hanna, Charles CDN	Halethorpe Thorson, G. H. MCA	Silver Spring Brown, Hyton R. MO Cooley, W. K. C Cushing, Emory FON Goresline, H. E. NC Heatwole, Earl P. DAE Huff, W. J. CMB Hurst, Lewis A. CO Johnson, B. L. EGM Lumsden, D. Victor GO Mertie, J. B., Jr. EAB Mitchell, C. W. N Rice, K. K. NC Robinson, Wm. FCN Weigel, C. A. F Williams, John F. CAB
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Fishing Creek Meade, James W. N	Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Hyattsville Alexander, Lyle T. OC Benjamin, Harold QIK Boswell, Victor R. O Conrad, Carl M. GCO Eaton, O. N. FG Greathouse, G. A. GCO Kinman, C. F. O Norton, J. B. S. G Reeside, J. B., Jr. E Shear, E. V. GOF Simmons, Victor L. OK Watt, Mrs. L. B. QMF Watt, Ralph W. QMF	Takoma Park Angier, James F. BFG Holmes, Grace B. GFO Lines, Edwin F. E Porter, Bennet A. F Regeimbal, L. O. G Stevenson, F. J. GO Wickes, D. R. EKL
Forest Glen Abbott, Miss J. E. QC Froelich, Miss Helen F. F Trumpour, F. J. M Trumpour, J. S. BCI	Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Indianhead O'Callaghan, J. A. C	Townson Badertscher, A. E. FCP Elgin, W. W. N Lynch, R. S. FIO Perry, C. Alfred NF Woolley, L. F. N
Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Kensington Davis, E. F. G Schiefer, H. F. ADB	Western Port Ward, M. James NCG
College Park Appleman, C. O. GCO Bellows, Roger M. IQ Bird, H. R. NFC Brown, Russell G. G Buerhoe, Sumner O. F Byerly, T. C. FG Clark, Weston R. IKQ Close, Charles P. O duBuy, H. G. GFO Greene, Charles T. F Hard, W. L. FNG Harwood, Paul D. FDN Hollis, Edgar H. F Holmes, F. S. G Jehle, R. A. GO	Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Lanham Brown, Edgar G	Westminster Bennighof, C. L. F Bertholf, L. M. FQK Campbell, Miss J. L. G Spicer, Clyde A. A
Forest Glen Abbott, Miss J. E. QC Froelich, Miss Helen F. F Trumpour, F. J. M Trumpour, J. S. BCI	Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Lusby Merritt, G. E. BE	
Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Mount Victoria Lloyd, W. H. NH	
Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Oakland Harned, J. E. GN Watson, David L. BCG	
Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Frederick Allen, Miss L. B. DEQ Anderson, Miss D. M. F Bishop, Miss M. L. FN Bower, E. B. C Brown, Lillian O. ADB	Pikesville Watner, Abraham	

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Abington Crownfield, David	Amherst, Cont'd. Chamberlain, J. S. C Clark, Orton Loring G Crampton, G. C. F Davis, W. H. GO Doran, William L. C Doughty, H. W. C Eisenmenger, W. GCO Esty, Thomas C. A Fellers, Carl E. CO Ford, James A. O Frandsen, J. H. O Gage, George E. N Glaser, Otto C. F Goodale, Alfred S. GEO Gordon, Clarence E. EF Green, Warren K. DB	Amherst, Cont'd. Harland, Margaret NF Hays, Frank A. F Ives, Philip T. FGH Jones, Linus H. GO Knowlton, Miss H. NCO Lacroix, D. S. FO Lindquist, H. G. OC Mack, Merrill J. OCQ McKenzie, M. A. GCN Moore, Frank C. A Morse, Fred W. CO Neet, Claude C. I Osmun, A. Vincent G Peters, C. A. CGO Plough, Harold H. FN	Amherst, Cont'd. Rankin, J. S., Jr. FEN Redman, Ralph W. KO Rhodes, Arnold D. FQ Ross, William H. B Schotte, Oscar E. F Shaw, Jacob K. GO Siewers, Fred J. OO Soller, Theodore B Spencer, G. C. C Stiefer, Wm. W. B Sweetman, H. L. FGO Thompson, Joseph O. B Traver, Miss Jay R. F Vinal, William G. F Whitney, R. B. CBA Williams, S. R. B
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- Andover**
 Barss, John S. BQA
 Brewster, E. T. EF
 Bryan, Elmer J. CMB
 Gouck, H. K., Jr. EFG
 Grahm, J. C. CEL
 Leitch, H. W. C
 Rafton, Harold R. CM
 Rafton, Mrs. H. R. CB
 Shields, M. L. FG
- Annisquam**
 Matz, Charles H. BM
 Sturgis, W. C. G
- Arlington**
 Guillemin, V., Jr. BQF
 Hudson, J. Cramer B
 Whitaker, J. W.
- Arlington Heights**
 Chakmakjian, H. H. C
 Dill, D. B. CQ
- Auburndale**
 Frost, Walter S. NCI
 Wentworth, H. A. KDN
- Ayer**
 Desmond, J. W. Nd
- Bass River**
 Davis, C. H. IKE
- Belmont**
 Applebaum, Wm. EK
 Caldwell, S. H. MAB
 Davis, Hallowell N
 Finesinger, J. E. NTF
 Franklin, Philip A
 Gardner, M. F. MQA
 Griswold, C. S. B
 Hamilton, Parker B
 Martin, F. H. CK
 Moulthrop, I. E. N
 Robbins, S. D. IQN
- Bernardston**
 Ewer, S. Judson GEF
- Beverly**
 Johnson, P. P. N
 White, F. E. BAM
- BillERICA**
 Stearns, A. W. N
- Boston**
 Abbot, E. S. IN
 Adams, Robert W. M
 Armstrong, S. H., Jr. N
 Arnold, Weld BCE
 Augustine, D. L. NF
 Ayer, James B. N
 Bailey, Orville T. NCF
 Balch, Francis N. FHE
 Banay, Ralph S. NI
 Barrett, Harold S. NHI
 Bauer, Walter N
 Beecher, Henry K. N
 Begg, Alexander S. N
 Benscoter, Stanley M. A
 Bevin, Miss Sylvia F
 Blank, Irvin H. CNB
 Blood, Miss A. F. QNC
 Blotner, Harry NC
 Blumgart, H. L. NBC
 Boyd, William C. N
 Bremer, J. L. N
 Bruce, Robert E. A
 Brues, Charles T. FN
 Bryant, A. G. NMK
 Bryant, Edward S. PM
 Buchanan, L. B. E
- Boston, Cont'd.**
 Burr, I. Tucker N
 Burwell, C. Sidney N
 Byrne, John J. NFG
 Cabot, Godfrey L. C
 Cabot, Samuel C
 Campbell, C. Macfie NI
 Canavan, M. M. IKN
 Cannon, W. B. NF
 Canzanelli, Attilio N
 Carhart, Frank M
 Carpenter, T. M. CF
 Carroll, A. G. CQ
 Casey, John F. N
 Casten, Virgil G. N
 Castle, W. B. N
 Chamberlin, E. M. I
 Chapman, E. Maca. N
 Cheever, C. A. GED
 Cheever, David N
 Cherrington, Miss Mary Edna GFE
 Chesley, Frank G. CE
 Christian, H. A. N
 Churchill, E. D. NFH
 Clapp, Eugene H. C
 Cobb, Stanley NFI
 Codman, Russell S. N
 Cox, Oscar F. N
 Crandon, L. R. G. I
 Crosby, Irving B. EM
 Cushing, Daniel M
 Cutler, Elliott C. N
 Dameshek, Wm. N
 Davis, Lincoln NHL
 Dellenbaugh, F. S., Jr. M
 Dieuaide, F. R. N
 Durnan, W. T. BCF
 Durrell, H. C. EL
 Ehrlich, Percy C
 Ell, Carl S. M
 Emerson, R. L. CN
 Enders, John N
 Epstein, S. H. INK
 Esselen, G. J. CM
 Eustis, Warner BCN
 Farber, Sidney N
 Farwell, Robert B. M
 Fay, Frederic H. M
 Finland, Maxwell N
 Fiske, Cyrus H. CN
 Fitz, Reginald NC
 FitzPatrick, Miss F. K. NC
 Flanders, Fred F. C
 Floyd, Cleaveland N
 Foster, Mary L. LCN
 Freedman, L. M. N
 Friedgood, H. B. NF
 Frolich, G. C. NCB
 Frye, Royal M. BAD
 Gamble, James L. N
 Geiman, Q. M. FN
 Goldstein, Kurt NI
 Grabfield, G. Philip NQ
 Gregory, Miss J. NC
 Hadley, A. I. NQK
 Hanson, W. L. OI
 Harrison, J. H. N
 Hastings, A. B. CN
 Hayes, H. V. BM
 Haynes, Frank L. O
 Hazard, Willis H. HKO
 Hemenway, L. D. BA
 Hendrick, Ives NIK
 Henkle, Herman H. LF
 Higgins, H. L. N
 Hilliard, Curtis M. N
 Hobbs, F. W. MKP
 Hoefel, Gerald N
 Holmes, George W. N
 Horton, L. H. THF
 Hoskins, R. G. N
- Boston, Cont'd.**
 Houghton, C. S. N
 Houghton, J. D. NFE
 Howe, Percy R. NCF
 Howell, Wallace E. B
 Hoyt, Rollin W. CN
 Hubbard, M. E. F
 Hubbell, Henry S. MP
 Hunt, Reid Np
 Hyatt, J. M. B
 Inglis, Harry J. N
 Ireland, Mark L. M
 Johns, Juanita P. N
 Joslin, Elliott P. N
 Kaplan, J. J. K
 Kaufman, M. R. NI
 Keeler, Clyde E. FNH
 Keller, C. T. L
 Kent, N. A. BDC
 Kingman, E. D. OM
 Kirklin, John W. NCI
 Kurt, Franklin T. BC
 Lancaster, W. B. FN
 Land, Edwin H. CBP
 Larson, Carl W. O
 Lee, Roger L. N
 Lefavour, Henry BI
 Leland, George A., Jr. N
 Levine, Samuel A. N
 Lewis, Frederic T. FG
 Locke, S. Barry F
 Loder, H. B. N
 Ludvig, E. J., II N
 Lythgoe, H. C. C
 McCahey, W. M., Jr. N
 McCrudden, F. H. NF
 Magruder, S. R. F
 Main, Charles T. M
 Matthews, Albert H
 Mayo, Elton HFN
 Means, J. H. N
 Menkin, Valy N
 Miller, Richard H. N
 Miner, Leroy NH
 Minot, G. R. NCF
 Mirogiannis, S. D. F
 Moore, Merrill HIK
 Morgan, W. F. M
 Muckenhoupt, C. F. BAM
 Murphy, Miss R. NCA
 Murphy, W. P. N
 Myerson, A. N
 Nason, Miss G. I. BNC
 Nathanson, Ira T. N
 Newton, Miss E. B. NCG
- Boston, Cont'd.**
 Newton, Francis C. N
 Norris, James F. C
 Nye, Robert N. C
 Ober, Frank R. N
 Overlander, C. L. N
 Packard, R. M. ABD
 Palmer, James B. FGI
 Parker, Frederic, Jr. N
 Parrack, H. O. NFE
 Pratt, J. H. N
 Proctor, C. M. Nd
 Putnam, W. L. N
 Quinby, W. C. N
 Rackemann, F. M. N
 Rapport, David N
 Ravin, Abe N
 Raymond, Miss A. F. IKN
 Reid, I. E. N
 Reid, Marion A. FN
 Richardson, M. W. N
 Richardson, P. M. NC
 Rines, David DBA
 Robey, William H. N
 Root, Howard F. N
 Rushmore, S. N
- Boston, Cont'd.**
 Russell, Henry D. FGN
 Salter, W. T. CNF
 Sanborn, A. G. NF
 Sax, H. J. G
 Schlesinger, M. J. N
 Schulz, R. Z. NLO
 Scott, H. E. D
 Searles, P. J. MBD
 Selekman, B. M. K
 Shattuck, G. C. N
 Shirley, Mary I
 Shuman, Harry B. Nd
 Simes, Mrs. William N
 Smith, Linville I. N
 Snyder, F. T. C
 Solinger, Julian L. FN
 Spear, Joseph AI
 Steel, Selwyn NHI
 Strong, Richard P. FN
 Stuart, Harold C. N
 Sykes, G. F. FN
 Talbot, Fritz B. IIN
 Talbot, John H. N
 Taylor, Horace V. S. M
 Terry, T. L. N
 Thannhauser, S. J. CN
 Tingley, L. P. NFB
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 TumSuden, C. NFC
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- Bradford**
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- Braintree**
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- Bridgewater**
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- Brookline**
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 Blackfan, K. D. N
 Bruce, Miss K. L. GNF
 Dana, H. W. NH
 Ehrenfried, Albert N
 Feemster, Roy F. N
 Foss, B. S. MHN
 Friedman, R. S. NFG
 Gallagher, David ERA

Brookline, Cont'd.

George, N.R., Jr.A
Gibbs, F.A.NIC
Harley, H.L.IQH
Homans, JohnN
Johnston, Ivan M.G
Kitson, Mrs. A. F.N
Kotkov, Benjamin IQN
LaCroix, M.F.ME
Lee, Robert C.NC
Mallory, E.B.I
Mallory, F.B.N
Mason, C.N., Jr. MKB
Miller, Alton L. ABC
Mixer, W.J.N
Moir, Harry S.C
O'Brien, William B. C
Omansky, M.CMN
Passano, L.M.A
Richardson, E.P.N
Rule, John T.ABQ
Smith, H.M.C
Stein, Mrs. C.R.N
Verhoeff, F.H.N

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Allis, W.P.BA
Ames, OakesG
Ashdown, A.A.C
Bacon, George L. BM
Bailey, Irving W.C
Baldwin, Walter A. CB
Balsbaugh, J.C.M
Barbour, ThomasF
Barry, Herbert, Jr. NT
Bartlett, Miss H. K
Baxter, G.P.CBE
Berry, C.W.MAB
Bigelow, Henry B.F
Billings, M.P.E
Birkhoff, GarrettA
Birkhoff, George D. AB
Black, N. HenryBC
Blake, Charles II.F
Blake, John T.C
Blanchard, A.A.C
Bloom, M.C.CBE
Rock, A.V.N
Boring, Mrs. E.G.I
Boring, Edwin G.I
Boughton, Willis A. C
Bowles, Edward L. MB
Boyce, Joseph C. BDI
Brewer, John M.QI
Bridgman, Percy W. B
Brown, M.R.NI
Brown, T.H.AP
Bryan, KirkEH
Bunker, J.W.M.CN
Cabot, Edward C.E
Cabot, P.S. de Q. INQ
Camp, Thomas R. MCN
Cannon, Miss A.J.D
Castle, E.S.GF
Casswell, R.G.CBN
Cattell, PsycheIQ
Chase, George II.H
Clark, H.L.F
Clarke, George L.F
Cleveland, L.R.F
Cohn, E.J.A
Cole, Arthur H.K
Cole, Robert H.BC
Compton, Karl T.B
Conant, J.B.C
Connor, T.W.NCF
Coolidge, A.S.CB
Coolidge, H.J., Jr. FHN
Copeland, EugeneF
Correll, Donovan S. G
Dahl, A. OrvilleE
Daly, Reginald A.E
Darrach, Wm.C.EG

Cambridge, Cont'd.

Davis, Arthur K.K
Davis, Selby B.C
Davis, Tenney L.CL
Dawes, Chester L.M
Dawson, A.B.F
deForest, A.V.BMO
Deichmann, E.F
Dienes, LouisN
Dietrichson, G.CB
Doering, Carl R.NK
Draper, C.S.MB
Dunn, Cecil G.NGC
Eastham, M.BMD
Edsall, GeoffreyN
Ellis, Fred E.DNE
Evans, Robley D. BNE
Fair, Gordon M.MN
Fassett, F.G., Jr. LKH
Faul, J. HoraceG
Fay, Richard D.BM
Fernald, M.L.G
Ferry, Ronald M.CN
Fieser, Louis F.C
Fife, W.M.M
Forbes, G.S.D
Ford, J.D.M.LH
Fuller, Charles E.M
Galambos, RobertF
Gaposchkin, SergeiD
Gibson, RussellEQ
Gillespie, L.J.CON
Goodwin, H.M.B
Graton, Louis C.EBC
Greene, H.C.LOK
Griscorn, LudlowFG
Haertlein, AlbertM
Hall, William T.C
Hardy, Arthur C.BCI
Harris, RobertNC
Harrison, G.R.BD
Harvey, G.G.BAD
Harwood, E.C.KM
Haskin, H.H.FNC
Hauser, Ernst A.CBE
Heidt, L.J.CBA
Hencken, H.O'Neill H
Henderson, L.J.N
Herrington, Wm.C.F
Hill, A.F.G
Hissaw, Frederick L. F
Hite, Lewis FieldIL
Hoadley, LeighF
Hocking, W.E.BHI
Hoffeit, E. DorritD
Holman, Miss A.E.BAD
Holmes, H.W.Q
Hooton, E.A.H
Horton, J.W.BMN
Horwood, M.P.NKM
Howell, Alvin H. MBA
Hudson, Ralph G.M
Hunsaker, J.C.M
Huntress, E.H.CB
Hutchinson, E.P.KN
Jackson, D.C.MBO
Jeffrey, E.C.EG
Jennings, Walter L.C
Jennison, M.W.NG
Jimenez-Michelen, Luis G
Kaplan, H.M.NFG
Kelley, T.L.IQK
Kemble, Edwin C.B
Kidder, A.V.H
Killian, J.R., Jr.ML
King, G.W.CBA
King, R.W.P.BAM
Kistiakowsky, G.B. CB
Kluckhohn, Clyde HIF
Laine, Carl David ECB
Lamb, Arthur B.C
Lane, A.C.EDC

Cambridge, Cont'd.

Laurence, Ralph R.M
leBeau, D.S.BCE
Lessells, John M.M
Lindemann, ErichI
Linder, David H.G
Livingston, Mrs.F.V.M.
Lowes, John L.L
Lyman, TheodoreB
McCarthy, E.F.BIM
McFarland, R.A. IHN
McLaughlin, D.H. EM
MacMahon, H.E. NCH
Magnusson, P.C. MBA
Mark, E.L.FGN
Marks, Lionel S.M
Marvin, GeorgeC
Mead, Warren J.EM
Mendenhall, W.L. Np
Menzel, D.H.DBC
Miller, D.W.IO
Mimno, H.R.BMA
Morris, F.K.EMH
Morse, Philip M.B
Mueller, EdwardC
Mueller, HansBC
Murray, H.A., Jr.IN
Newell, John M.CN
Noyes, H.A.C
O'Donnell, Carlos A. G
Oldenberg, OttoB
Page, Larry F.BA
Palache, Charles E.F
Park, Charles F.M
Parker, G.H.F
Phillips, H.B.AB
Pogo, AlexanderLD
Pollock, HarryH
Pound, RoscoeG
Prescott, S.C.CN
Proctor, B.E.GNF
Rand, H.W.F
Raymond, Percy E.E
Redfield, Alfred C. FN
Renn, Charles E. GFM
Rice, A.H.ENH
Ricketson, O.G., Jr. H
Rightmire, B.G.MB
Roberts, Henry B.H
Romanoff, A.L.FCN
Romer, Alfred S. FEH
Rulon, P.J.IOA
Rusden, Philip L. GO
Sargent, FrederickNBA
Sarton, GeorgeL
Saunders, F.A.B
Scatchard, George CB
Schwarz, E.R.MGB
Scott, DonaldH
Seeler, Edgar V., Jr. G
Seton, HenryFE
Shapley, HarlowD
Sharples, P.P.CKM
Sherrill, Miles S.C
Shpiner, Leonard B. N
Shrock, Robert R.E
Simpson, Sidney P.K
Simpson, S.G.C
Slichter, Louis B.B
Smith, Clinton A.FG
Smyth, F.H.C
Soderberg, C.R.M
Stauffer, R.C.LKF
Stetson, HenryE
Stevens, S. Smith INB
Suer, T.J.B.GFN
Stockbarger, D.C. BCN
Stone, Marshall H.A
Sweeney, Mrs. B.M. G
Teeter, C.E., Jr.CB
Thiessen, A.E.MB
Townsend, Arthur L. M

Cambridge, Cont'd.

Tozzer, A.M.H
Turner, C.E.QKN
Turner, William D.I
Urbach, Walter F.L
Van Atta, C.M.B
Van Vleck, John H.B
Vestal, Paula, A. GFH
Voss, Walter C.M
Wald, GeorgeCFN
Walsh, J.L.A
Warren, B.E.B
Watson, RobertB
Weatherby, C.A.G
Welsh, John H.F
Westergaard, H.M.MAB
Weston, W.H., Jr.G
Wetmore, R.H.G
Whipple, M.C.MC
Whitehead, W.L.E
Whittemore, W.S.N
Whittlesey, D.S.E
Wilchinsky, Z.W. BA
Wilkes, G.B.BM
Willett, Hurd C.E
Williams, R.S. CMQ
Willoughby, C.C.H
Wilson, David H.QK
Wilson, Miss E.W.C
Wolff, Harold H.CO
Woodman, A.G.CO
Worman, E.C., Jr.HE

Canton

Hinton, Wm.A.N

Charlestown

Brown, J.M.D.CMP

Chelmsford

Smith, H.D.C

Chestnut Hill

Dore, Francis J.NGH
Dubois, Evan C.F
Mallory, Mrs. C.A.F. FN
Mallory, G.K.N
Marcou, Rene J. ABD
Paine, F.W.E
Sayles, Mrs. A.B.E
Sayles, R.W.E
Smith, Eugene R. QA
Tobin, John A.B
Wyman, J., Jr.BFA

Chicopee Falls

Sharp, Miss E.E.QF

Clinton

Monahan, JohnIN

Cohasset

Bowman, EthelI

Concord

Emerson, Mrs. R. HOQ
Whittemore, Miss E. BAQ

Dedham

Beekman, H.O.
Ohl, Edwin N.CBL
Williston, A.L.QMK

Deerfield

Wickenden, J.W. FGH

Dennis

Metcalfe, RichardN

- Dorchester**
Jafarian, Miss E.S.**CHK**
- Dover**
Taylor, Lucien B.**B**
- Dudley**
Neumueller, Julius ..**B**
- Duxbury**
Bumpus, Herman C. **FQ**
- East Boston**
Leary, Arthur F.**A**
- East Douglas**
Carpenter, R.D.**O**
- East Gardner**
Oppen, Lincoln**N**
- East Walpole**
Bird, C.S., Jr.**F**
Jack, J.G.**FG**
- East Wareham**
Franklin, H.J.**F**
Truran, Walton E.**G**
- Essex**
Richardson, F.L.W., Jr.**HE**
- Everett**
Brown, Alfred**C**
- Fall River**
Caplain, Philip**N**
Walsh, James H.**N**
- Falmouth**
Pond, Samuel E.**NBC**
- Fitchburg**
Filz, Frank R.**CBA**
Sherman, R.M., Jr.**CB**
- Foxboro**
Nersessian, A.**NI**
- Framingham**
Meier, W.H.D.**FG**
Monahan, W.C.**OFG**
Robbins, Eleanor**N**
Russell, Miss D.M.**CEN**
- Gloucester**
Birdseye, C.**CMB**
Hoyt, W.D.**GF**
Trenor, Albert D.**M**
- Greenfield**
Burgess, Albert F.**F**
Crossman, S.S.**F**
- Groton**
Peabody, Endicott
- Hadley**
Montgomery, A.H.
- Halifax**
Lincoln, Edward A.**QI**
- Hardwick**
Mixer, George ..**KMB**
- Hatfield**
Billings, Miss H.L.**B**
- Haverford**
Palmer, Frederic, Jr. **B**
- Haydenville**
Kulash, Walter M.**F**
- Hingham**
Knowlton, C.H.**GEO**
Shimer, H.W.**E**
- Holden**
Dutton, R.L.**KIQ**
- Holliston**
Banks, Nathan**F**
- Holyoke**
Burkhardt, Miss A.**BAC**
Fitz-Gibbon, J.J.**Nd**
Wilhelm, C.R.**M**
- Hyannis**
Rowan, Miss S.J.**E**
- Ipswich**
Canney, C.G.**CMB**
Kinsman, A.D.**DAB**
- Jamaica Plain**
Chen, Miss L.**G**
Conser, H.N.**G**
Hawes, J.H.**BCM**
Ludd, W.H.**GEO**
Leary, Timothy**N**
Merrill, E.D.**G**
Metcalfe, Franklin P. **G**
Palmer, E.J.**GE**
Rehder, Alfred**G**
Richards, R.H.**ME**
- Kingston**
Coar, Herbert G.**F**
- Lakeville**
Richardson, Oscar **NH**
- Lenox**
Williams, J.J.**H**
- Leominster**
Schmidt, J.W.**MAB**
Uong, D.D.**C**
- Lincoln**
Preston, W.M.**BCD**
- Longmeadow**
Dow, J.N.**MC**
Pearson, O.H.**O**
Wheeler, D.G.**CEM**
- Lowell**
Bradley, J.H., Jr.**E**
Churchill, A.O.**FNQ**
Eames, Charles H.**Q**
Olney, L.A.**C**
Page, Dudley L.**FN**
Weed, C.M.**F**
- Lynn**
Chako, N.O.**BAD**
Earle, Mabel L.**FNH**
- Malden**
Robinson, E.P.**MD**
Stickney, Miss R.E.**FGB**
- Marblehead**
Lord, Erskine D.**CM**
- Mattapan**
Hecht, B.P.**CNG**
Malkiel, Saul**NC**
- Medford**
Carmichael, L.**I**
Chadwell, H.M.**CBQ**
Hadley, Jarvis B.**E**
Harrison, J.R.**BMA**
Kennedy, J.L.**I**
Mead, Leonard C.**IFN**
Nichols, Robert L.**E**
Ransom, W.R.**ABD**
Smith, C.G.**BDM**
Smith, William V.**BCA**
Tilton, John P.**IQ**
Warren, P.A.**G**
Wellman, Bertram**MI**
Worrall, D.E.**C**
Wren, Frank G.**AQ**
- Medford Hillside**
Conner, S.L.**M**
Roeder, K.D.**FN**
- Melrose**
Chadbourne, E.R.**NO**
Fay, Joseph H.**NO**
Hubbard, B.R.**MBA**
Lutz, Brenton R.**NF**
- Methuen**
Parr, John**N**
- Milton**
Arenberg, D.L.**BAC**
Bigelow, S.L.**C**
Brooks, C.F.**BE**
Crane, H. Irving**CB**
Fergusson, S.P.**BM**
Field, W.L.W.**EF**
Flynn, Carl M.**FNG**
Forbes, Alexander**N**
Forbes, Henry S.**N**
Forbes, W.H.**NFC**
Gamble, C.J.**N**
LeSourd, Homer W.**BQ**
Miller, Miss H.A.**G**
Morrison, T.F.**FQ**
Navez, Albert E.**G**
Pearson, C.A.**BA**
Stearns, W.B.**DBA**
Stone, Robert G.**BEK**
Tulloch, D.F.**MAB**
Washburn, Miss R.W.**IQK**
- Weber, Harold C.M**
- Nahant**
Cusick, Laurence F.**N**
Fischer, L.J.**MBA**
Nelson, Russell A.**MC**
- Needham**
Gerry, Henry L.**Q**
Green, Arthur B.**M**
Kingsley, H.L.**I**
Logan, Milana A.**C**
Long, Arthur P.**N**
Morss, Noel**HK**
Nichols, H.B.**GBF**
Rogowski, A.R.**MB**
Stetson, H.T.**DBA**
Vaughan, W.F.**I**
- New Bedford**
Lowrie, R.E.**FH**
Prescott, Mrs. H.D.**N**
Tripp, Curtis C.**N**
- Newburyport**
Bliss, Mary C.**G**
Humphreys, S.P.**N**
- Newton**
Bacon, Frederick S.**C**
Dewing, F.R.**IKQ**
Moyer, J. Ambrose**MQ**
Stevenson, Earl P.**C**
- Newton Center**
Allen, S.C.**N**
Borg, Henry L.**N**
Brightman, E.S.**IK**
Ellis, Frederick W.**BN**
Holt, Miss C.M.**F**
Jones, Chester M.**NFI**
Lennox, William G.**N**
Mather, Kitley F.**E**
Melcher, A.C.**C**
Robinson, E.S.**N**
Walker, I. Chandler**N**
Walter, Carl W.**NMB**
- Newton Highlands**
Frery, Charles S.**CM**
Spike, J.E., Jr.**BGD**
Wells, F.L.**I**
- Newtonville**
Atwood, F. Clarke**C**
Clevenger, G.H.**MC**
Harris, Gorham W.**C**
Kobrock, John P.**KM**
Pope, Alton S.**N**
- North Amherst**
Chenoweth, W.W.**O**
- Northampton**
Anslow, Miss G.A.**B**
Bache-Wigg, Sara**G**
Bryson, Gladys**KHI**
Burt, C. Pauline**C**
Cann, Jessie V.**CBA**
Carpenter, Esther**FN**
Choate, Miss H.A.**GL**
Cooper, Geo. Olds**F**
Crabtree, Miss C.**FN**
Day, Dorothy**GON**
Deane, Helen M.**N**
Dobbin, C.N.**FQ**
Driver, Ernest C.**FG**
Ganong, William F.**G**
Genung, Miss E.F.**N**
Hankins, F.H.**KII**
Heine, Miss Aida A.**E**
Heminway, Miss C.**E**
Hudgins, Clarence V.**I**
Jacob, Cary F.**L**
Jones, A.T.**B**
Kemp, Miss M.**GE**
Manning, Wayne E.**G**
Meyerhoff, H.A.**EM**
Mohler, Miss Nora M.**B**
Munroe, Miss F.L.**AKQ**
- Olmsted, E.W.E**
Parshley, H.M.**F**
Rambo, Susan M.**A**
Sampson, Miss M.M.**NF**
- Slocum, Miss L.T.DAB**
Smith, Miss F.G.**G**
Sparrow, Miss D.K.**FG**
Stobbe, Helen R.**E**
Taylor, W.S.**I**
TeWinkel, Miss L.E.**F**
Trombetta, Miss V.V.**G**
Wakeman, Seth**QI**
Waterman, F.A.**B**
Wells, H.E.**C**
Williams, Miss M.**D**
Zukel, John William**F**
- North Grafton**
Smith, H. Wilbur**N**
- North Scituate**
Newcomb, Edward C.**M**
- Norton**
Amen, E.W.**I**
Chidsey, Jane L.**NF**

- Norton, Cont'd.**
 Evans, Mildred W. ...C
 Garabedian, C.A. ...A
 Hunt, William A. ...I
 Lange, Miss M.M. FGO
 Rice, Miss M.A.G
- Oak Bluffs**
 Moss, Mrs. C.E.G
 Ogden, J.G.DBH
- Oxford**
 Kay, Miss M.R. ...FNO
- Palmer**
 Tait, H. Sinclair .BCD
- Peabody**
 Rabinovitz, Isidor ...C
 Underwood, G.R.C
- Petersham**
 Gast, P.R.GCB
- Pigeon Cove**
 Chamberlain, A. .ELO
- Pittsfield**
 Chesney, C.C.M
 Clark, Frank M. .CMB
 Smith, Miss L.A.B
 Wagner, E.A.MAB
 Washburne, A.C.A
 Weeks, A.L.I
 West, H.R.MBC
- Plymouth**
 Langford, Miss G. ...B
- Provincetown**
 Hammett, F.S. ...NFC
 Johnson, M.I.L.MB
 Murchison, CarlI
- Quincy**
 Couch, William H. .CB
- Rehoboth**
 Silva, J.M.CAM
- Revere**
 Gordee, A.B.CIK
- Roxbury**
 Eisenberg, M.J. ...NCB
 Levinson, Leon ...FNO
 Ravreby, A.A. ...CMT
 Shevach, B.J.IQ
- Salem**
 Browne, Ralph C.C
 Ingdolsby, James J. .C
 Jenkins, L.W.H
 Percy, G.E.N
 Sargent, A.N.NCE
 Walker, Fred H. ...FGE
 Whitman, W.G.Q
- Scituate**
 Savage, G.H.C
- Sharon**
 Cushman, Jos. A. ...EF
- Somerville**
 Edwards, George A. .F
 Gray, M. Geneva .NCK
- Southborough**
 Folsom, HughN
- Southbridge**
 Beitel, Robert J., Jr. IN
 Boeder, PaulABM
- Southbridge, Cont'd.**
 Moriow, J.F., Jr.B
 Moulton, H.R.C
 Stoll, Miss M.R. ...INB
 Tillyer, Edgar D. .BM
- South Dartmouth**
 Houghton, H.G.B
- South Dennis**
 Wilbur, George B. .HI
- South Duxbury**
 Holway, RichardF
- South Hadley**
 Adams, A.E.FN
 Allen, Miss M.B
 Allyn, Miss H.M.HF
 Boyd, Miss E.FNG
 Carr, Miss Emma P. .C
 Cooley, Miss M.E.E
 Eitings, Ethel T. ...GN
 Fairbank, Ruth ...INK
 Farnsworth, Miss A.H. D
 Goldthwaite, N.E.C
 Haywood, C.NF
 Laird, Elizabeth R. .B
 Lochman, Miss C.E
 Morgan, Ann H.F
 Pickett, Lucy W.BC
 Reed, Miss F.D.G
 Rusk, Rogers D. .BMA
 Sherrill, Mary L.C
 Shipman, Miss J.M. .E
 Smith, Miss C.F
 Stein, Kathryn P. ...FN
 Stokay, A.G.G
 Talbot, MignonE
 Turner, A.H.NF
- South Hanson**
 Nealy, Walter A.C
- South Lancaster**
 Chen, Philip S.CN
- South Lincoln**
 Gilboy, GlennonM
- South Natick**
 Hills, C.E.N
 Patten, Miss J.B. ...NG
- South Weymouth**
 Clapp, Miss M.S.C
 Kennedy, H. Anna ...G
- Springfield**
 Arsenian, SethIOL
 Bennett, J.W.MAB
 Campbell, P.A.OC
 Cockayne, C.A.QIK
 Eddy, G. Norman KHI
 Farnsworth, B.B.H
 Franklin, B.A.IM
 Gadaire, C. Rice ...FON
 Karpovich, P.V.NH
 Kirkham, W.B.FG
 Lambert, Jeremiah .M
 Lockwood, M.H. .KBE
 McCabe, B.C.FNO
 Neal, Chester T.M
 Putnam, Roger L.D
 Reyniers, Arthur B. .M
 Rutenber, C.B.C
 Snow, F.W.EM
 Stedman, J.M.F
 Todd, J. EdwardIQ
- Still River**
 Bateman, F.W.M
- Stockbridge**
 Hoffmann, Bernhard ..
- Stoneham**
 Holmes, Arthur D. CN
 Kleinschmidt, R.V. BM
- Sturbridge**
 Stone, H.H., Jr.FG
- Swampscott**
 Beebe-Center, J.G. ...I
 Evans, George W. ...A
 Thomson, Mrs. E.
- Topsfield**
 Pentecost, E.H.
- Tyngsboro**
 Richmond, Carl A. BEA
- Uxbridge**
 Robinson, R.D. ...CNI
- Vineyard Haven**
 Foster, Francis A. .EF
- Waban**
 Bennett, G.A.N
 Huber, Edward G. NHF
 Levene, GeorgeN
- Wakefield**
 Tytzer, E.E.NPH
- Walpole**
 Haan, A.P.ECQ
- Waltham**
 Davidson, D.L. ...CNO
 Flagg, F.P.BC
 Glancy, Warren E. .C
 James, Walter H.M
 Verdoorn, Frans ...GO
 Wilcox, Paul H.N
- Watertown**
 Coleman, G.W. ...CBE
 Field, R.F.BM
 Flora, Charles P. ...CP
 Meredith, F.L. ...NIQ
- Weyland**
 Bemis, Alan C.B
- Wellesley**
 Austin, Miss Mary L. F
 Copeland, Lennie P. .A
 Davis, Grace E.B
 Davis, Miss H.I.GO
 Dodson, H.W.DBA
 French, Helen S.C
 Hall, Ada R.FG
 Hayden, Miss M.A. ...F
 Heidbreder, Edna ...I
 Holway, Alfred H. ...I
 Howard, Grace E.G
 Johnston, Ruth ...CNF
 Jones, Miss E.E.FN
 Jones, Miss Helen T. .C
 Kaan, Miss Helen W. .F
 Kingsley, Louise ...E
 Lee, John C.G
 Lindsay, Miss R.H. .G
 McCosh, Miss G.K. ...F
 McDowell, Louise S. B
 Merrill, H.A.A
 Norton, Arthur O. ...Q
 Pulling, Howard E. GB
 Rondinella, A.C.N
 Smith, Miss M.E. ...CN
 Stark, Marion E.A
- Wellesley, Cont'd.**
 Steiger, T.L.G
 Thorndike, S.L.D
 Van Winkle, Mrs. M.E. F
 Waterman, Miss H.C. F
 Williams, Miss J.L. GQF
 Williams, Mrs. S.M. ...
 Wilson, Louise P. FON
 Wilson, Miss Lucy ...B
 Young, Mabel M. ...A
 Zigler, M.J.I
- Wellesley Farms**
 Chellis, Robert D. MPB
 Moreland, E.L.M
- Wellesley Hills**
 Buckingham, B.R. .OI
 Durrell, Donald D. .OI
 Hagen, Harold F. ...M
 Howard, Alfred H. ...E
 Kennedy, Harris ...E
 Stearns, Howard O. .B
 Thomas, Mrs. H.G. ...E
 Weeks, Paul Thorne B
- West Brookfield**
 Kitzmeyer, E.L. .CNO
- Westfield**
 Kelly, T. Leonard ...CO
 Wallace, Miss E.G. .DFG
 Wilson, Charles B. ...F
- West Newton**
 Greenman, W.F. ...KE
 Thomas, Miss H.S. ...G
- Weston**
 Amon, Fred H. ...CPM
 Butler, Thomas P. .CA
 Dailey, Frank J. ...CIQ
 Lynch, Sister M. St. I. CBN
- West Springfield**
 Drowne, Henry B. ...M
 Martin, Mabel F.I
 Schmidt, Miss C. .EFG
 Stebbins, F.A.EFG
- West Somerville**
 Cushing, Miss H.M. IQK
 Fletcher, Harry G. ...E
 Knox, Arthur S. ...EGO
 Mancib, Alvin S. .ACM
 Shaw, Edwin A.QI
- West Roxbury**
 Allen, Francis H.F
 Hooker, S.B.N
 Mueller, J. Howard .N
- Whitman**
 Bell, John W.HCI
- Williamsburg**
 Collins, Robert F. ...E
 Hobbs, Joseph R.N
- Williamstown**
 Agard, H.L.A
 Bascom, Florence ...E
 Benfield, A.E.BE
 Clapp, Daniel B.C
 Cole, Elbert C.FGN
 Curry, JamesCB

Williamstown, Cont'd.

Goodale, H.D.FO
Hoar, Carl S.G
Hocking, Richard ABF
Hubbell, H.H., Jr. ...B
Locke, Edwin A.N
McElfresh, W.E.B
Matthews, S.A.FN
Mears, BrainerdC
Milham, Willis I.D
Perry, Elwyn L.E
Rollason, H.D., Jr. ...FN
Spiltoir, C.F., Jr.G
Winch, Ralph P.BAC

Winchester

Bodman, J.W.CME
Goldthwait, C.I
Harter, G.A.ADB
Mitchell, J.J.CB
Page, Newell C.B
Zimmerman, C.C. KOH

Winter Hill

Berggren, Miss R.E.L. ...C

Winthrop

Lynch, John E.M

Woburn

Cohen, Joseph Horace C
Rowland, ClaudeF
Wolf, E. AlfredF

Wollaston

Bentley, George P. MB
Shrader, J.H.CDN
Wildes, Karl L.MQA

Woods Hole

Barnes, Clifford A. ...
Iselin, ColumbusEF
Lewis, Miss L.A.N

Worcester

Allen, Charles M. DMO
Atwood, W.W.EL
Atwood, W.W., Jr. ...E
Averill, Lawrence A. ...I
Avis, Frederick R.FG
Barnard, Frank P. NaO

Worcester, Cont'd.

Bosshard, H.M.LOI
Brown, Robert Heath I
Budnitz, EdwardN
Bullock, Jesse L.C
Buyniski, E.F.Np
Calhane, D.F.C
Davis, LewisCNM
Dick, K.R.NFO
Ekblaw, W.E.EGO
Forbes, W.T.M.F
Hadidian, ZarehFCE
Hastings, D.J., Jr. ...M
Hessey, Mayo D.BM
Hoagland, H.NFI
Hyde, W.A.MB
Kistler, S.S.CB
Klein, A. AlbertM
Little, Homer P.E
Lombard, Robert H. ...C
Looney, Joseph M.CN
MacKerrow, H.G.N
Masius, MortonB
Mather, AlanNC
Melville, Carey E.A
Meinhold, B.S.CB

Worcester, Cont'd.

Miller, E.C.N
Milligan, L.H.CBM
Morgan, Theodore I. M
Newell, Hobart H. ...M
Pincus, GregoryF
Potter, DavidG
Quigley, Thomas H. ...B
Rice, HarrisA
Rider, Miss E.L.GF
Roope, Percy M.BAC
Rosenzweig, SaulI
Scribner, Miss A.E.FGE
Shaw, Thomas B.N
Sommerman, G.M.L. ...MBD
Sullivan, J.J.CBQ
Super, Donald E.OI
Tanner, Amy Eliza ...I
Wakefield, W.H.DB
Woodward, S.B.N

Wrentham

Tadgell, H.A.N

MICHIGAN**Adrian**

Perry, Stuart H.CEK
Reuter, Sister M.A.FGC
Stimson, Sister M.M. C

Albion

Adams, Miss Marian ...IO
Carter, ThomasIO
Chickering, A.M.FG
Hance, K.G.KLO
Marshall, John S.IL
Prescott, G.W.GF
Rogers, Miss L.M.FG
Rood, C.E.BDA
Sleight, Edwin R.A
Spencer, R.G.B

Alma

Ditto, R.C.B
Kaufmann, W.E.CON
Rice, Paul L.F
Seifert, R.L.E.CBA
Steward, F.M.IH

Ann Arbor

Abbott, Lynn, Jr.CN
Adams, Henry F.I
Allen, Shirley W.O
Arnold, Chester A.G
Ayres, W.L.A
Baird, R.L.FGO
Barker, Ernest F.B
Barker, Paul S.C
Bartlett, Floyd E.C
Bartlett, H.H.G
Barto, Miss E.FGH
Bean, John Wm.NB
Bernthal, Theo.G.NF
Blakeman, E.W.K
Block, Walter D.CN
Bouchard, HarryM
Bradshaw, John W.A
Brown, Carl R.I
Brown, Oliver L.I.C
Brumm, J.L.KO
Bunting, R.W.NdO
Burt, W.H.FEG
Carey, Clifton O. MDA
Carr, L.J.K
Case, Ermine Cowles E
Catron, LloydN
Colby, Walter F.B

Ann Arbor, Cont'd.

Cork, J.M.B
Crosby, ElizabethN
Curtis, Francis D.O
Curtis, Heber Doust D
Dana, S.T.OKG
Davis, B.M.G
Dempster, W.T.FN
Diack, A.W.MC
Dice, L.R.GFE
Dietler, R.R.NIQ
Dobrovolsky, C.G.FNC
Dodge, Stanley D.EK
Donahue, Mrs. W.I
Duffendack, O.S.B
Dwyer, Paul S.AKQ
Eager, Miss GraceFG
Easlick, K.A.Nd
Edmunds, C.W.N
Eggleton, Frank E.F
Egley, William Henry L
Ehlers, G.M.E
Fellows, Miss K.A.LFG

Ferguson, Alfred L. ...C
Ferguson, JohnNC
Field, PeterA
Gage, Mrs. H.T.FE
Gesell, RobertNF
Gillette, Roger H. CBA
Glazko, Anthony J. ...CN
Gomberg, MosesC
Grace, James D.Nd
Graham, Samuel A.F
Griffitts, Charles H. ...I
Gustafson, F.G.G
Guthe, Carl E.H
Halford, Joseph O.C
Hall, M.F.NAQ
Hann, Harry W.F
Higbie, H.H.MBI
Hildebrandt, T.H.A
Hile, RalphF
Hobbs, W.H.E
Hodges, J. HallettCB
Hopkins, Louis A.ADM

Hubbs, Carl L.F
Hunt, Walter FredCE
Hussey, R.C.E
Isaacs, RaphaelFN
James, Preston E.E

Ann Arbor, Cont'd.

Jay, PhilipN
Johnston, C.T.M
Jones, Volney H.HG
Kahn, R.L.N
Karpinski, Louis C. AL
Kellum, Lewis B.C
Kenk, RomanFGO
Ketcham, Miss D. KIH
Koch, Harlan C.OI
Kramer, T.C.NFN
Kraus, Edward H.E
Lapides, JackN
LaRue, Carl D.G
LaRue, George R.FN
Leverett, FrankEH
Lewis, H.B.CN
Lichty, D.M.C
Lindsay, Geo.A.B
Losh, Miss H.M.DA
Lough, S. AllanCN
Lovering, T.S.ERM
McAlpine, Roy K.C
McCotter, R.E.NDO
McDermott, Miss E.B. ...N

McLaughlin, D.B.DBE
McLaughlin, L.H.D
Maddock, WalterN
Magee, ConwayN
Maier, N.R.F.I
Mains, E.B.G
Mann, CharlesNQF
Mantele, K.A.N
Marx, LoreFN
Maxwell, Allan D.D
Merry, JamesG
Meyer, Charles F.B
Miller, James A.C
Miller, Miss LilaC
Moehman, A.B.O
Moore, G.R.NdFH
Muyskens, Miss F.D. F
Muyskens, J.H.FHI
Newburgh, L.H.N
Newcomb, W.W.FN
Nicholson, H.C.NF
Novy, F.G.N
Nungester, W.J.NCB
Okkelberg, PeterF
Olmstead, F.R.MBC
Olson, Ada L.F

Ann Arbor, Cont'd.

Olson, W.C.IO
O'Roke, Earl C.FNO
Patten, B.M.F
Pawlowski, F.W.M
Pedersen, SvendCNB
Peyton, Floyd A.CMN
Pierce, Miss M.E.N
Pontius, M.B.N
Preston, W.S.N
Rainich, G.Y.A
Randall, H.M.C.A.B
Reighard, JacobF
Rufus, W. CarlDLA
Running, T.R.A
Ruthven, A.G.F
Sadler, H.C.M
Schoepfle, C.S.C
Scott, Irving D.E
Scott, W.T.N
Searle, Miss O.M.N
Senstius, M.W.EGO
Shohara, H. Helen LFI
Shull, A. FranklinF
Sleator, W.W.B
Smeaton, W.G.C
Smith, A.W.B
Smith, Ralph G.Np
Soule, Byron A.C
Soule, M.H.NCI
Spokes, Ray E.C
Stalker, Edward A.M
Stanley, G.M.EHI
Steere, Joseph B.FHI
Steere, William C.G
Stockard, A.H.F
Stocking, C.H.NpC
Sturgis, Cyrus C.N
Sundwall, JohnN
Taylor, W.R.G
Thompson, Miss E.L. ...NFI

Titiev, MischaH
Toribara, TaftCMA
Trow, Wm. ClarkIQ
Vanden Broek, J.A.MBA
Van Oosten, JohnF
Vincent, H.B.B
Waggoner, R.W.NI
Ward, Marcus L. BCND
Waterman, LeroyL
Weatherill, Philip F. C

Ann Arbor, Cont'd.

Wehmeyer, Lewis E. F
Welch, Paul S. F
Whitaker, B. L. Q L
Whitaker, W. L. F N
White, Leslie A. H
White, Stephen S. G
Wright, H. M. FGE
Wile, U. J. N
Willard, H. H. C
Williams, Neill. B
Wilson, Frank N. N
Winder, Claude V. NFI
Woodward, A. E. FN
Woody, Clifford QI
Yoakum, Clarence S. I
Young, L. J. O

Battle Creek

Darling, G. B., Jr. KMN
Kellogg, J. H. N
Roberts, W. L. CN
Upson, W. O. N
Wheelock, R. P. ME

Benton Harbor

Harrod, Don J. CBQ

Berrien Springs

Edwards, H. E. QI
Halenz, H. F. C
Klooster, H. J. C

Big Rapids

Benson, Simon Np
Newton, Roy IQK
Tapley, M. S. GFO
Ward, M. S. QKI

Birmingham

Billington, Cecil G
Illovey, A. G. CP
Ives, Margaret I
Penfield, Mrs. P. L. F

Bloomfield Hills

Bingham, Mrs. M. T. G
Hatt, Robert T. F

Buchanan

White, J. A. C

Calumet

Broderick, T. M. E
Spacie, Edwin G. AIO

Coopersville

Laves, Kurt D

Crosswell

Roehl, Mrs. K. McC. F

Crystal Falls

Royce, Stephen MEB

Dearborn

Moskalek, Simon MKL
Schluchter, A. W. CM
Sherwood, R. M. BMA

Dearborn Heights

Cole, H. N. BCE

Detroit

Ackley, Alma B. G
Albers, Bert M
Alger, Harry B. CNO
Altshuler, S. S. N
Amberg, Emil N
Andersen, C. T. QI
Baker, Harry J. IQ
Baker, H. B. EF

Detroit, Cont'd.

Beatty, Harold A. C
Bergman, W. G. QIL
Billing, Florence G. GFO
Bixby, W. H. MBA
Blain, A. W. NOF
Bower, R. G. M
Boyd, T. A. C
Brook, C. A. M
Brough, G. A. NC
Brown, Milton T. M
Burgess, E. H. BCM
Cahill, W. M. N
Calingaert, Geo. CBM
Campbell, Don M. NOI
Canty, Alan I
Caplan, S. J. CNP
Carter, George W. B
Chase, Miss E. W. B. G
Clark, L. T. NCB
Coley, Glenn M
Cone, Mrs. Sophia K. FG
Connelly, B. L. NHF
Cooley, T. B. NKQ
Courtis, S. A. QIF
Creaser, C. W. F
Dart, Francis E. BAM
Dow, Douglas MCK
Drews, R. S. NO
Emmett, A. D. NCP
Endwurm, Graham FN
Ferry, N. S. N
Field, E. K. KNP
Fisher, L. E. MB
Fitzgerald, Sister
M. A. BDA
Flinn, Miss H. L. IKO
Pollett, R. E. F
Pollin, M. D. FHL
Fox, Sereck H. CN
Freund, Hugo A. N
Fryklund, V. C. QPI
Gaebler, O. H. CNF
Galloglly, E. E. N
Gibson, K. R. NdK
Gordon, W. H. N
Grafias, H. A. CNB
Graves, Walter J. MKB
Hanson, Geo. B. PMB
Harding, H. A. GOC
Harmon, G. E. NKA
Harris, S. D. Nd
Hasley, Clyde K. N
Haven, S. Edison IOK
Hayden, H. CBN
Heitman, E. MBA
Heldt, T. J. NIH
Hess, Lewis CB
Hickens, Sister M. F. CAF
Hoopes, B. F. N
Howes, W. B. NCH
Hubbard, Ruth M. IO
Hulbert, H. S. DBI
Hulbert, Roberts C
Hunt, John Herman M
Joslyn, Dwight A. N
Jozefczyk, A. M. Nd
Kamm, Oliver C
Kaucher, Miss M. NC
Kavanau, J. Lee BCA
Kemp, W. B. M
Knoblock, F. D. AMB
Kurt, O. Edward CBA
Lamb, F. W. CBF
Larson, Paul S. NCF
Laukel, A. K. CGO
Lemman, Arnold J. Np
Lenhardt, L. G. ME
Lewis, S. J. Nd
Lindbergh, Mrs.
E. L. L. C
Lindh, Gunnar CMP
Loew, Earl R. NC

Detroit, Cont'd.

Lowery, P. C. Nd
McClure, Roy D. N
McCrea, Adelia GNO
McCullough, N. B. N
McGinty, D. A. N
McGraw, A. B. N
McMath, Neil C. D
McTeer, Wilson IH
Macy, Icie G. CN
Martin, E. J. B
Massey, E. L. QCB
Meador, F. M. N
Meddaugh, D. H. FGK
Metcalf, Miss J. L. FH
Miles, E. J. MCB
Morse, L. S., Jr. MKQ
Miner, Miss H. T. CQN
Murphy, F. J. N
Muttowski, R. A. FN
Nauss, H. G. N
Nelson, A. L. A
Novy, R. L. N
Ogden, Miss K. C
Ohlsson, G. O. BFI
Outzen, A. N. OCM
Patterson, T. L. FN
Paula, Sister M. ABC
Petree, Edith E. GF
Pfeiffer, C. C. NpCQ
Poetker, A. H. BA
Pope, W. M
Povah, A. H. G
Pratt, A. E. CNP
Pratt, J. P. N
Price, A. E. N
Pyle, W. H. IOH
Rankin, Paul T. QIK
Rawson, George FN
Reynolds, L. N
Rivett, B. J. C
Robinson, Mrs. M. NCO
Rodney, Gertrude CNF
Rodger, Miss E. A. G
Rogers, M. A. NOK
Rowe, L. W. CNP
Rulon, G. O. F
Sahyun, M. CF
Sander, I. W. N
Saunders, S. G. M
Scarney, H. D. NBC
Schelling, Victor C
Schooler, J. P. FN
Sclar, Martin D. C
Scoville, W. L. CN
Selby, C. D. N
Selling, L. S. NIK
Sladen, F. J. BCN
Smart, R. C. IK
Smith, A. H. CNO
Snyder, A. J. CPM
Soross, Harold CBA
Spalding, E. NB
Stapleton, W. J., Jr. N
Stevens, R. H. NBC
Stewart, J. K. C
Stock, W. E. EGM
Swartz, B. K. IKO
Sweet, L. A. CN
Tanis, J. E. C
Taylor, F. O. C
Taylor, G. F. BDE
Top, F. H. N
Townsend, Miss E. W. F
Ulbrich, H. L. NB
Waldbott, G. L. N
Watson, H. E. EKM
White, Miss E. N. O
White, Eli MB
Whitehead, L. S. NI
Williams, Gertha I
Williams, H. H. CNO

Detroit, Cont'd.

Wohlgenuth, M. J. MKO
Yagle, Miss E. M. FN
Yaw, Miss K. E. G
Zimmerli, F. P. CM

East Lansing

Beeskow, H. C. GC
Bergquist, S. G. E
Bessey, E. A. G
Beth, R. A. BA
Bourn, J. M. NC
Brown, R. V. NpF
Bywaters, J. H. OFA
Camp, W. G. GQF
Chamberlain, C. W. B
Chandler, W. L. NOF
Chapman, C. W. BAC
Clark, A. J. C
Darlington, H. T. C
Davidson, James OFC
Dexter, S. I. CGO
deZeeuw, Richard G
Dirks, H. B. M
Dye, Marie CN
Ewing, D. T. CB
Fabian, F. W. N
Fairbanks, H. V. CBA
Gardner, V. R. O
Giltner, Ward NGO
Hanning, Miss F. CN
Hayne, D. W. F
Henderson, E. W. FOC
Hewetson, Frank OGQ
Hoppert, C. A. CNO
Huddleson, I. F. N
Hunt, H. R. FH
Huston, R. C. C
Hutson, Ray F
Ingerson, H. FGO
Kelly, Miss Eunice NC
Kelly, W. A. E
Lewis, Miss M. NFH
McDaniel, Miss E. F
Marshall, R. E. O
Miller, E. J. C
Morrison, Miss S. E. B
Motts, G. N. GOQ
Nelson, Gaylord EA
Newcomer, E. H. GO
Noll, V. H. IO
Nordstrom, C. H. ABL
Partridge, N. L. OG
Plant, L. C. ABM
Rather, H. C. O
Ray, L. L. E
Roseboom, B. B. Np
Russell, C. E. OG
Ryff, J. F. N
Schable, P. J. CGO
Searl, W. C. K
Spurway, C. H. O
Stafseth, H. J. N
Waters, N. F. FG
Woodcock, E. F. G

Ferndale

Sharpless, G. R. NC

Flint

Barlett, H. B. ECM
Crissey, O. L. IQ
Derbyshire, H. J. N
Keyes, L. A. MDB
Kretchmar, A. H. N
Loetscher, Miss L. H. Q
MaWhinney, W. T. OKI
Randall, H. E. NFG

Galesburg

Struble, R. H. NFG

Grand Rapids		Houghton, Cont'd.		Marquette		Rapid River	
Currier, F.P.	NIF	Harrington, J.M.	MBQ	Spooner, C.C.	ADB	Dohbel, Edward	C
DeVel, Leon	N	Oswald, A.G.	BMA	West, L.S.	FHO	Rochester	
Dorrance, A.B.	O	Rohrman, F.A.	CM	Midland		Jones, Sarah V.H.	F
Eldering, Miss G.	N	Seaman, W.A.	EM	Coleman, G.H.	C	Morrison, Gordon	FGO
Gillett, O.H.	N	Tolonen, F.J.	MO	Dow, W.H.	CDG	Royal Oak	
Herrick, C. Judson	F	Wood, Miss E.L.	EKL	Dreisbach, R.R.	FCG	DeForest, D.M.C.	FNE
Herrick, Ruth	NF	Ironwood		Grebe, J.J.	BCE	Schott, E.L.	IQK
Horton, Sister M.M.		Eggler, W.A.	GE	Hale, W.J.	C	Saginaw	
Kendrick, Pearl	GOH	Field, S.E.	AB	Hanawalt, J.D.	BCM	Bennett, Lee F.	E
Merrill, R.H.	NF	Ishpeming		Irish, Don D.	NCF	Goodsell, J.O.	Nd
Ranck, S.H.	Q	Stanford, F.C.	M	Putnam, Mark E.	C	Kirkham, V.R.D.	E
Scanlan, Sister M.M.		Jackson		Taylor, F.L.	CP	McGregor, Robert	N
Stang, Sister M.C.	FE	Chase, Katherine	N	Ullrey, M.A.	FGN	Ryba, F.J.	
Warren, K.L.	BAM	Foot, J.H.	MOK	Wenck, Peter		Voik, V.K.	NK
Way, Elmer F.	CMN	Lyons, D.C.	FNO	Milford		St. Clair	
Whinery, I.B.	MBA	Norton, N.A.	OGB	McNeal, R.L.	BAM	Dunn, J.A.	CO
Grass Lake		Steele, Harold	Q	Montague		Sault Ste. Marie	
Raymond, H.M.	MQ	Kalamazoo		Sadony, J.A.	IQI	Osborn, C.S.	EGN
Grosse Pointe		Andersen, H.P.	C	Mount Clemens		Scottville	
Bugbee, Willis	B	Burnham, Ernest	KO	Mather, C.J.	GCN	Coburn, Miss H.R.	G
Killinger, A.H.	N	Diebold, Frances	FN	Mather, Enoch	NG	Suttons Bay	
Macaulay, J.B., Jr.		Evans, John	C	Peltier, S.J.	N	Smith, W.R.	C
Parker, W.R.	N	Gibson, E.A.	NFG	Mt. Pleasant		Tecumseh	
Parsons, J.P.	NCF	Goddard, H.N.	FGO	Anspach, C.L.	Q	Adamson, G.H.	DBA
Perkins, N.L.	IN	Hadley, Miss T.		Filson, M.H.	C	Loveland, H.H.	N
Perkins, R.A.	N	Hemmes, L.J.	IK	Jorae, Miss F.	F	Three Oaks	
Grosse Pointe Shores		Henry, T.S.	IQ	Pratt, Karl C.	IFK	Edinger, Fred	HLK
Bahr, F.C.	FKM	Hightower, R.L.	KIH	Trout, D.M.	IQ	Traverse City	
Engle, E.W.	CMH	Hornbeck, J.W.	BD	Muskegon		Sweet, Miss F.A.	IQN
Harris, W.P., Jr.	F	Joyce, Roy E.	GF	Brocke, Alfred	N	Willoughby, F.L.	N
Harbor Beach		Kenoyer, L.A.	GF	Negaunee		Wakefield	
Patten, A.J.	C	Light, R.U.	NE	Bush, John M.	CKM	Gowe, Verne	FGN
Thomas, Adrian	CN	Mesick, R.O.	M	North Muskegon		Woodland	
Hart		Morton, J.F.	N	Wright, N.W.	QEC	Davenport, E.	OPG
Kurbatov, J.D.	EC	Rood, Paul	B	Northville		Williams, W.B.	MB
Highland Park		Scott, W.A.	NI	Kephart, N.C.	IQ	Wyandotte	
Breer, Carl	M	Serfling, Robert	FA	Martinson, Betty	I	Frostic, F.W.	Q
Brewington, G.P.	BCA	Sharbaugh, G.B.	N	Phillips, F.J.	NC	Hunt, C.K.	C
Dahljelm, Irving	NC	Straw, H.T.	E	Woodruff, C.E.	N	Smith, D.F.	C
Tiffany, B.E.	C	Todd, Paul H.	C	Orchard Lake		Vaughn, T.H.	CP
Tolonen, E.O.	ABI	Wenner, W.F.	FN	Gierut, J.A.	CEQ	Vittone, Anton, Jr.	CM
Hillsdale		Lake City		Petoskey		Ypsilanti	
Barber, Miss R.A.	FG	Coffey, W.L.	KQ	Burns, Dean Carl	N	Garrison, N.L.	Q
Smith, Frank	F	Lake Linden		Pleasant Ridge		Gorton, F.R.	BD
Spith, G.E.	BCN	Benedict, C.H.	M	Hovey, A.G.	CP	Harpster, Miss H.	F
Holland		Lansing		Pontiac		Sellers, J.A.	CBN
Huizinga, J.G.	N	Cope, H.E.	N	Lehner, Miss M.I.	GF	Smith, H.L.	BAD
Thompson, O.E.	FGN	Cummings, G.D.	NP	McMath, R.R.	D	Sturgeon, M.T.	E
Holly		Devereaux, E.E.	F	Sawyer, H.E.	D	Sullivan, W.R.	CFN
Burt, F.J.	BNC	Gottschall, R.	N	Duluth		Duluth, Cont'd.	
Houghton		Moulton, V.V.	K	Bagley, W.R.	NBE	Lakela, Olga	GF
Carson, C.M.	C	Smith, R.A.	E	Congdon, W.B.	DEC	Lounsbury, W.C.	M
Dillman, G.C.	MOK	Strong, F.C.	G	Cornhead, G.S.	E	McCarthy, Sister K.	I
Eddy, C.T.	BM	Lewiston		Cosandey, C.J.	MBA	Mueller, S.C.	N
Fisher, James	MBA	Leonard, J.W.	FG	Cothran, J.C.	CAB	Primmer, G.H.	EOK
		Lowell		Darling, J.H.	DMB	Rimmer, Harry	HE
		Quick, Bert E.	G	d'Autremont, L.P.	ABC	Roberts, H.M.	EKP
				Gross, A.Wm.	QIK	Salsich, LeRoy	E
				Herr, W.N.	CBA	Shastid, T.H.	NT
				Hilding, A.C.	N	Sorenson, H.	QI

MINNESOTA

Aurora		Clinton		Duluth		Duluth, Cont'd.	
Sharp, Miss J.I.	AQ	Blumer, J.C.	GEO	Bagley, W.R.	NBE	Lakela, Olga	GF
Austin		Cloquet		Congdon, W.B.	DEC	Lounsbury, W.C.	M
Utterback, J., Jr.	NCQ	Sherk, D.L.	C	Cornhead, G.S.	E	McCarthy, Sister K.	I
Bemidji		Collegeville		Cosandey, C.J.	MBA	Mueller, S.C.	N
Elliott, A.M.	FGH	Luetmer, Wendel	FG	Cothran, J.C.	CAB	Primmer, G.H.	EOK
Brainerd		Crookston		Darling, J.H.	DMB	Rimmer, Harry	HE
Glessner, G.F.	C	Parsons, J.G.	N	d'Autremont, L.P.	ABC	Roberts, H.M.	EKP
Zapffe, Carl	E	Wilson, Miss H.	FGC	Gross, A.Wm.	QIK	Salsich, LeRoy	E
				Herr, W.N.	CBA	Shastid, T.H.	NT
				Hilding, A.C.	N	Sorenson, H.	QI

Duluth, Cont'd.

Thompson, M.J.OM
Tuohy, E.L.N

Elk River

Longfellow, D.W. EBD

Ely

Cramer, PaulA

Faribault

Fabian, Sister M. CPO
Hanson, A.M.N
Huxley, F.R.N
Nygard, Iver J. ...CGO

Granite Falls

Ostrom, Theodore ABQ

Hibbing

Churchill, Helen ..FG
Erickson, R.W. ...JAF

Hopkins

Wade, H.H.M

International Falls

Cantwell, W.F.BN

Lanesboro

Schelin, R.G.OGF

Le Sueur

Barnard, J.D.OGM
Oltman, R.E.CGO
Scott, G.C.COG

Mankato

Keith, M.M.FG
Miller, G.J.EQ
Sletten, Miss C.P. ECK
Sperry, Wilbur ...CMK

Minneapolis

Abbe, Ernst C.G
Allen, E.F.CHNP
Allison, R.G.N
Anderson, G.W.N
Anderson, J.E.IO
Anderson, William ..K
Arnold, J. EarleCN
Barron, MosesN
Bell, J.F.N
Bellis, C.J.N
Bergen, J.T.N
Bergh, G.S.N
Bieter, R.N.NP
Bird, CharlesN
Blount, I.H.FN
Blount, R.F.FNO
Borchardt, L.F.BCM
Bovey, W.H.D
Boyd, EdithNH
Boyd, E.A.NF
Briggs, C.H.COB
Brink, R.W.AOB
Brooke, W.E.AMQ
Bruckner, Leo J.O
Bryant, J.M.MO
Bryngelson, B.NIO
Buechta, J.W.BA
Burns, G.W.GEF
Burr, G.O.CGN
Bussey, W.H.A
Butters, F.K.G
Cade, A.R.C
Chalmers, C.H.MHI
Chapin, F.S.KIL
Clark, W.G.BCF
Cohen, J.G.N
Cooper, W.S.GE
Craig, AustinLEH
Cranston, Mrs. E.M.NCF

Minneapolis, Cont'd.

Croze, Miss A.B.CB
Dalaker, H.H.A
Davis, D.H.EK
Davis, E.W.MEH
Dawson, R.W.F
Deinard, A.S.CHI
Dehl, H.S.N
Downey, HalFN
DuPriest, J.R.MOB
Eklund, C.M.NCF
Elliott, R.M.I
Emmons, W.H.EM
Erickson, Miss M.V.KAN
Erikson, H.A.B
Evans, C.A.NFC
Evans, E.T.NQ
Evans, G.T.N
Feldman, S.I.F
Ferrari, C.G.CBG
Frankforter, G.B.C
Gibbens, Miss G.A
Glockler, GeorgeC
Goldsworthy, Z.L.QFG
Goodenough, Miss F.L.IO
Gordon, W.E.G
Green, R.G.N
Griffith, L.E.R.A.MBA
Griffiths, Wm.IO
Grout, F.F.EC
Hall, Miss JennieQI
Halvorson, H.O.CN
Hanley, F.B.E
Hansen, A.E.NC
Harris, D.B.IOH
Hart, W.L.AD
Hayden, J.F.EBC
Head, G.D.N
Heisig, G.B.C
Hemingway, Allan ..C
Henrici, A.T.NG
Herrick, Carl A.MOA
Hill, E.L.BAC
Hirschfelder, A.D.NP
Holman, W.F.M
Huff, N.L.G
Hynes, J.E.N
Jackson, C.M.FN
Jackson, Dunham ..A
Jenkins, G.L.CNP
Johnson, B.L.GF
Johnson, P.O.QI
Johnston, Miss M.E.NC
Kabler, PaulNPG
Karolyi, E.J.FN
Keys, AnceiNCF
Kirchner, W.H.AM
Kolthoff, I.M.C
Lasby, Wm.F.Nd
Lawrence, D.B.GEF
Lawrence, Mrs. D.B.FG
Layne, J.A.N
Leland, O.M.MD
Levine, MiltonNF
Lind, S.C.CBE
Lindeman, R.L.FG
Livingston, Robert ..C
Luyten, W.J.D
MacDougall, F.H.C
McKinley, J.C.N
McQuarrie, Irvine ..NC
Mallon, A.E.CBN
Mann, C.A.CMQ
Markley, M.C.HGE
Marr, JohnGEF
Matthews, H.D.BDM
Michael, J.C.N
Miller, H.E.NFB

Minneapolis, Cont'd.

Miller, L.F.B
Miller, S.P.NFG
Miller, S.E.C
Miller, W.S.I
Minnich, D.E.F
Moore, J.W.GEO
Moore, Miss M.E.QNA
Morrison, A.W.N
Moyer, A.F.MB
Moyer, L.S.G
Muller, W.A.FC
Myers, J.A.N
Nelson, LowryK
Newhart, HoraceN
Nigg, ClaraN
Nordland, M.NIK
Oestlund, O.W.F
Oliver, C.P.F
Olson, MagnusF
Opotowski, Isaac AMB
Pacini, A.J.CNP
Parker, W.H.QME
Paterson, D.G.I
Pervier, N.C.CO
Peterson, S.A.COB
Piccard, JeanM
Pierce, Geo. O.NMO
Rasmussen, A.T.NF
Ray, K.W.CME
Raymond, RuthQI
Rea, C.E.N
Reinecke, R.M.N
Reyerson, L.H.C
Richards, C.R.MQ
Riebeth, Mrs. A.B.NGC
Rigler, Leo G.NGB
Ringoen, A.R.F
Rizer, R.I.N
Roberts, T.S.F
Rochford, W.E.N
Rogers, C.H.CNP
Rosendahl, C.O.G
Rowley, F.B.M
Rudolph, C.E.Nd
Rupp, AliceN
Sadtler, R.E.CNP
Samuels, Leo T.N
Sandell, E.B.CBD
Sardeson, F.Wm.E
Savage, G.M.NFC
Scammon, R.E.HN
Scherer, N.W.O
Schiffers, J.J.NOL
Schmitt, O.H.A.NBM
Schwartz, G.M.E
Sherwood, R.C.CO
Shuman, J.W.ADM
Shumway, R.R.A
Sidener, C.F.C
Skinner, B.F.IKF
Smith, L.I.CQ
Sneed, M.C.C
Spink, W.W.N
Stauffer, C.R.E
Stenstrom, K.W.BN
Stewart, C.A.N
Straub, L.G.MAE
Stoesser, A.V.N
Tate, J.T.B
Taylor, T. IvanCBN
Teeter, ThomasMAQ
Tiel, G.A.E
Tinker, M.A.IHQ
Treloar, A.E.AHN
Turner, J.P.FG
Valasek, JosephB
Van Wagenen, M.J.IO
Visscher, M.B.N
Vivino, E.A.NC
Vold, G.B.K
Wallis, W.D.H
Wangensteen, O.H.N

Minneapolis, Cont'd.

Watson, C.J.N
Wendell, C.A.N
White, WendellIOK
Wichman, T.H.FGN
Wiethoff, C.A.Nd
Wilcox, HughAM
Willey, M.M.HKI
Wodsdalek, J.E.F
Wright, H.N.NC
Wulling, F.J.CN
Zeleny, AnthonyB

Moorhead

Parsons, KarlB
Westfall, J.J.G

Mound

Jenks, A.E.H

Northfield

Bieberdorf, F.W.G
Blayne, L.LOK
Burns, Mrs. N.S.NF
Cowling, D.J.IO
Dungay, N.S.FN
Fath, E.A.DB
Gatz, A.J.FNC
Gibson, G.R.E
Glasoe, P.M.CBN
Gould, L.M.E
Headley, Leal A.IO
Holmquist, A.M.F
Holstad, G.E.G
Lincoln, A.T.C
Lyght, C.E.N
Rankin, T.E.L
Seymour, K.M.C
Solum, A.K.MAD
Stewart, Miss M.G.BC
Stork, H.E.G
Tufte, E.T.QFG
Waggener, Roy A.FNG
Wilson, L.S.EKO

Oak Terrace

Schwartz, Miss V.M.NF

Redlake

Ostrom, C.J.FG

Red Wing

Anderson, A.P.G
Densmore, Miss F.H
Sargent, Mrs. R.M.FGN

Rochester

Alvarez, W.C.N
Amberg, SamuelN
Baldes, E.J.NB
Balfour, D.C.N
Benedict, W.L.BN
Berkson, JosephN
Boothby, W.M.NC
Broders, A.C.N
Buie, L.A.N
Essex, H.E.FN
Giffin, H.Z.N
Haines, S.F.N
Hall, B.E.N
Heilman, D.H.N
Heilman, F.N
Henderson, M.S.N
Higgins, G.M.F
Kendall, E.N
Krusen, F.H.NBI
Lovell, W.R., II.N
Magath, T.B.FN
Mann, F.C.N
Mason, H.L.NC
Meyerding, H.W.N
Miner, J.R.AKN

Rochester, Cont'd.
 O'Leary, P.A.N
 Osterberg, A.E.C
 Pemberton, J.deJ.N
 Power, M.H.C
 Rosenow, E.C.N
 Roth, G.M.N
 Sanford, A.H.FN
 Sheard, C.BN
 Watkins, C.H.N
 Wilder, R.M.N
 Williams, M.M.D.N
 FBN
 Wilson, L.B.N

St. Cloud
 Beltz, J.C.CQ
 Clark, H.B.N
 Croxton, W.C.GFO
 Friedrich, G.W.FG
 Graves, Miss E.G.EQ

St. Joseph
 Grell, Sister Mary FGC
 Westkaemper, Sister
 Remberta.G

Saint Paul
 Alderman, W.H.OG
 Alexander, H.S.EB
 Alway, F.J.CO
 Ames, C.L.EH
 Asemus, E.R.OG
 Bailey, C.H.GO
 Bensend, D.W.OG
 Biester, Miss A.CFN
 Bonnett, Sister J.M.IQ
 Boss, AndrewOKO
 Boss, WilliamBCM
 Bouthilet, Miss L.INF

Saint Paul, Cont'd.
 Briggs, David R.C
 Brown, Miss C.M.QIK
 Brown, J.A.ECF
 Chambers, Miss E.C.CQ
 Coffey, W.C.O
 Combs, W.B.O
 Cotter, R.U.GO
 Dossall, Miss L.G
 Eyre, F.H.GOF
 Fitch, C.P.N
 Fitch, J.B.O
 Freeman, E.M.GO
 Gevorkiantz, S.R.O
 Gortner, R.A.CG
 Granovsky, A.A.FG
 Green, W.OFN
 Gullickson, T.W.ONL
 Halvorson, H.A.CO
 Hansen, H.L.OG
 Hart, Miss HelenG
 Harvey, R.B.GO
 Hastings, R.B.BM
 Haydak, M.H.FCN
 Hayes, H.K.GO
 Hildebrand, F.C.C
 Hummel, J.A.CBG
 Immer, F.R.OGF
 Jones, R.U.C
 Judd, Sister T.FN
 Karlson, A.G.NFO
 Kasper, E.M.N
 Kaufert, F.H.G
 Kennedy, C.C
 Kenyon, W.A.FG
 Kuhlmann, FredI
 Lawton, H.C.Nd
 LeBarron, R.K.GOF
 Leichsenring, J.M.CN
 Lepak, J.A.N

Saint Paul, Cont'd.
 Levine, M.N.G
 McConnell, T.R.OI
 Macy, HaroldNO
 Mickel, C.E.F
 Muhleman, G.W.C
 Noble, IsabelK
 O'Keefe, T.IQ
 Overn, O.B.BA
 Palmer, Mrs. E.P.K
 Palmer, L.S.CO
 Petersen, Wm.E.FON
 Riley, W.A.F
 Roe, E.I.OG
 Roepke, M.H.CBN
 Rost, C.O.CO
 Rudolf, PaulOG
 Ruggles, A.G.F
 Rysgaard, J.M.B
 Sandstrom, W.M.C
 Schmitz, HenryOG
 Schons, EdwardN
 Schrieker, J.A.C
 Shepard, H.H.F
 Stakman, E.C.G
 Starnberg, O.E.CO
 Tanquary, M.C.F
 Walter, O.T.FE
 Watson, I.A.GFO
 Wilcox, A.N.GO
 Wilson, H.K.GOC
 Wilson, J.L.CBM
 Winters, L.M.OFN
 Wirtz, Sister St.M.GFE
 Zon, RaphaelGO

St. Peter
 Elson, J.A.F
 Froeberg, SvenIQ

Stillwater
 Harvey, Mrs. R.B.G

Truman
 Campbell, J.N.NOQ

Virginia
 Sayles, E.D.F

Watkins
 Lindseth, F.J.BN

Wayzata
 Brueske, G.A.BGD

West Union
 Retzek, H.M.E

White Bear Lake
 Stephens, H.N.C

Winona
 Hoffman, J.J.C
 Lies, Sister M.B.C
 Meisinger, Sister M.S.GF

Minne, N.CBN
 Owens, W.A.IQ
 Scarborough, R.J.EDQ
 Severin, C.F.G
 Smith, RoseG
 Thoennes, G.L.F
 Thomssen, E.G.C

Worthington
 Gustafson, J.E.FGB
 Schmid, A.R.Nd

MISSISSIPPI

Clinton
 Nelson, D.M.B
Columbus
 Chapman, J.NQ
 Evans, C.R.GFE
 Sehon, Miss G.L.F

Gulfport
 Knoth, Miss Sibyl FGC
 LeBaron, C., Jr.NH
Hattiesburg
 Steele, H.C.C

Holly Springs
 Hall, P.J., Jr.FAB

Jackson
 Cook, Fanny A.GF
 Gaby, Ewin D.EMB

Jackson, Cont'd.
 Kemmerer, M.C.W.I
 Parks, Miss MabelGF
 Riecken, W.E.G
 Sullivan, J.M.CE
 Wedel, ArthurEBF
 Westervelt, W.Y.ME

Laurel
 Haynes, G.F.NdQC
 Kressman, F.W.C
 Stewart, B.O.CMO
 Thickens, J.H.CM

Oxford
 Gladden, S.C.B
 McCrady, E.FLH
 Pankratz, D.S.N

Pass Christian
 Schuster, B.L.KN

State College
 Briscoe, C.F.GFO
 Etheredge, M.P.C
 Kinkaid, WalkerB
 Lyle, ClayF
 Miles, L.E.G
 O'Kelly, J.FredOGC
 Pettis, C.R.MAE
 Ragland, C.H.OG
 Sheets, Miss OliveCN

Stoneville
 Clark, JuniusFGO
 Dunnam, E.W.F

University
 Brown, C.S.HEL
 Conant, L.C.E
 Evans, DavidF
 Hammond, E.L.CNP
 Hull, F.M.FGN

University, Cont'd.
 Hume, AlfredAD
 Kennon, W.L.BI
 Morse, Wm.C.E
 Nichols, R.J.FG
 Parsons, G.W.CNP
 Spelt, D.K.IN
 Vestal, F.E.I
 Wolfe, J.B.I
 Woollett, G.H.C

Vicksburg
 Lippincott, L.S.NC
 Richardson, E.OK

Washington
 Dodson, N.E.AB

Whitfield
 Willey, L.W.N

MISSOURI

Advance
 Shrum, E.E.ECD
Brentwood
 Stephens, J.Y.AD

Butler
 Trumbull, R.S.O

California
 Fulks, E.B.

Cape Girardeau
 Bolen, H.R.F
 Duckworth, A.S.EFG
 Harty, JohnB
 Kruse, S.A.IQ
 Magill, A.C.C
 Mueller, W.A.CB

Carthage
 Guinn, C.B.FGO

Clayton
 Engman, M.F.N
 Graham, E.A.N
 Graham, H.T.CNPQ
 Grave, CaswellF
 Ives, GeorgeN
 Kammerer, A.L.CM
 Kelly, O.A.Nd
 Kelsey, T.D.C
 McDonnell, J.S., Jr.MIK

Clayton, Cont'd.
 Olmsted, W.H.NCK
 Pepper, SelwynNKQ
 Sibley, C.K.F
 Stevenson, PhiloI
 VanOrnum, J.L.AMQ
 Wulfin, J.M., Jr.C
Clifton Hill
 Naylor, Miss J.CA

Columbia

Adams, J.O.EKO
 Albrecht, W.A.OCG
 Almstedt, H.LIK
 Bennitt, R.FGO
 Bent, H.E.C
 Bisbey, BerthaA
 Blumenthal, L.M.A
 Bogart, RalphFNO
 Branson, C.C.E
 Branson, E.B.E
 Bratton, S.T.E
 Brody, SamuelCNO
 Brown, Miss M.W.N
 Callaway, Mrs. T.T.A
 Cline, Miss J.A.CNO
 Courts, F.A.I
 Curtis, H.A.CM
 Curtis, W.C.F
 Dawson, R.F.GCO
 Dufford, R.T.B
 Ellis, Max M.FNP
 Ellis, V.R.CB
 Emig, A.S.K
 Fuhr, Miss ClaraG
 Gingrich, N.S.B
 Gullick, AddisonNF
 Guthrie, Mary J.F
 Haseman, L.F
 Haynes, E.S.DAB
 Hogan, A.G.CON
 Johnson, Miss M.M.G
 Keller, W.D.E
 Kennedy, J.J.NHI
 Krusekopf, H.H.O
 McClintock, B.G
 McKenzie, F.F.ONF
 Maneval, W.E.G
 Mehl, M.G.E
 Melton, A.W.I
 Miller, M.F.GO
 Moon, Merl P.NGQ
 Motley, H.L.NP
 Mumford, F.B.FO
 Murneek, A.E.GOC
 Naylor, ErnstG
 Odell, C.B.E
 Overholser, M.D.NF
 Peck, R.E.E
 Ragsdale, A.C.E
 Roeder, L.W.IKN
 Selvidge, R.W.MQ
 Siddle, R.W.NP
 Smith, Miss E.W.F
 Smith, LeonGFO
 Stadler, L.J.GO
 Stearn, A.E.CBN
 Stewart, O.M.B
 Stone, P.C.F
 Talbot, T.J.G
 Trowbridge, E.A.F
 Tucker, C.M.GOF
 Turner, C.W.OFN
 Ungrnade, HerbertC
 Van Buskirk, E.F.ONK
 Van Deventer, W.C.F
 Vinson, Carl G.OCG
 Wahlm, G.E.A
 Wantland, W.W.FO
 Watkins, R.K.O
 Westfall, B.A.NCF
 White, Mollie G.C
 Wintorkorn, H.CBO
 Woodruff, C.M.O
 Ziegler, N.R.N

Farmington

Mardorf, W.C.N

Fayette

Abernathy, L.G.B
 Gordon, N.E.CBA

Fayette, Cont'd.

Jenner, E.A.FG
 Stevens, K.P.F

Flat River

Lockhart, E.G.I
 Nahm, Miss LauraFG

Florissant

Desloge, JosephM

Fulton

Alexander, C.S.HIK
 Baiger, Miss P.L.FG
 Butchart, J.H.A
 Day, C.D.NF
 LeBeau, Mrs. B.H.GO
 Schneider, W.R.AMB
 Weigle, O.M.C

Glencoe

Lewis, Brother H.CBD

Independence

Smith, F.M.KMN

Jefferson City

Adams, C.F.FN
 Burrill, A.C.FGH
 Gow, A.A.ME
 Kildare, A.A.B
 Mayes, E.A.OFE

Joplin

Fowler, G.M.EKM

Kansas City

Arnold, P.M.MC
 Baer, B.E.ML
 Bartle, G.G.E
 Bradway, Miss L.M.FCG

Brown, H.P.C
 Clay, G.H.C
 Cochel, W.A.OK
 Cross, RoyNC
 Dennie, C.C.N
 Dixon, O.J.N
 Ekblaw, S.E.E
 Faxon, H.D.C
 Gibson, E.T.IN
 Graham, W.R., Jr.NOC
 Greene, F.C.E
 Griner, A.J.B
 Harrington, J.L.M
 Harrouff, EarlCBM
 Hill, A.R.L
 Hill, R.V.B
 Howard, E.E.M
 Huntington, F.W.CB
 Keith, A.E
 Kinsley, A.T.N
 Knight, J.S.N
 Kohler, G.O.CFG
 LeMoine, A.N.N
 LeRoy, R.H.CNM
 Lobb, Miss D.E.C
 Luby, Wm. A.AD
 Lyster, A.F.MCH
 Magnuson, L.G.M
 Melcher, GeorgeATQ
 Meulemans, A.M.FN
 Mogensen, Miss A.M.N
 Moore, N.A.Nd
 Myers, J.L.N
 Patrick, CatherineIK
 Patrick, FrankPG
 Patterson, C.J.COP
 Prince, JohnMBD
 Pritchard, J.F.MDC
 Rinehart, J.R.Nd
 Robinson, R.B.IQ
 Saeger, AlbertGFC
 Scofield, T.E.C

Kansas City, Cont'd.

Shearer, M.H.E
 Shirling, A.E.GEF
 Skinner, E.H.N
 Sondern, C.W.CN
 Stephenson, LyleF
 Sutton, R.L., Jr.NMA
 Swanson, A.M.O
 Tully, W.C.OCN
 Veatch, N.T., Jr.M
 Wahl, H.R.NFO
 Wildish, J.E.CBA

Kirkville

Laughlin, H.H.FHK

Kirkwood

Lang, George, Jr.CB
 Paulin, E.A.BMA
 Rau, PhilipFI
 Veazey, A.W.NC

Lees Summit

Barada, A.S.C

Liberty

Davis, J.E.B
 Elmore, C.J.GF

Malden

Whitten, J.H.G

Marshall

Malcolm, W.W., Sr.KQI
 Pasek, D.M.B

Martin City

Brainard, B.F.N

Maryville

Garrett, W.T.FGE
 Mason, Miss C.Y.EBG
 Simons, K.W.GFN

Mexico

Schroeder, F.W.CME

Missouri City

Barber, M.A.N

Moberly

Adams, Miss E.GF

Nevada

Ewers, Miss LelaFN
 McCann, W.H.I

Normandy

Gehenio, Sister M.P.FGC

Pacific

Castelli, JosephG

Parkville

Findlay, M.C.F
 Rogers, R.A.B
 Setty, L.R.FG
 Waldron, Miss A.M.Q

Polo

Goldberg, I.E.N

Richmond Heights

Maison, G.L.NFI

Rolla

Buchler, H.A.E
 Frame, F.H.MBA
 Grawe, O.R.CE
 Hanley, H.R.CBE

Rolla, Cont'd.

Monroe, C.J.C
 Walsh, D.F.MCB
 Woodman, L.E.B

St. Charles

Talbot, MaryF

St. Joseph

Modeer, ElmerC
 Owen, Miss J.A.F

St. Louis

Aldrich, P.P.C
 Alfend, SamuelCNF
 Allen, V.T.E
 Allen, W.M.NC
 Anderson, EdgarG
 Auer, JohnNP
 Ball, T.R.C
 Barck, CarlN
 Barnett, H.L.N
 Barr, D.P.N
 Baumgarten, W.NHF
 Berry, E.C.N
 Bishop, G.H.N
 Blair, V.P.N
 Boling, L.R.NF
 Boylston, A.C.CE
 Brady, E.P.NdCQ
 Branch, A.M.M
 Brandhorst, O.W.Nd
 Broadhurst, G.B.NdI
 Bronfenbrenner, J.N
 Bruno, F.J.KH
 Buchanan, W.D.O
 Bulger, H.A.NH
 Bunch, C.C.INB
 Bunch, M.O.IN
 Butler, A.Q.CN
 Caspari, C.E.C
 Charles, C.M.HNI
 Clopton, M.B.N
 Coldwater, K.B.F
 Conover, C.CEH
 Cook, J.E.N
 Cooper, Z.K.FN
 Cori, C.F.NpC
 Cowdry, E.V.N
 DeFoe, O.K.AB
 Deutsch, FelixNI
 Dietz, CarlCMP
 Dietz, P.C.ACB
 Dodge, C.W.GL
 Doisy, E.A.N
 Dougherty, E.T.C
 Dubach, Miss A.R.NC
 Dunkel, OttoA
 Dunn, M.S.FN
 Duval d'Adrian, A.L.C
 Dvornikoff, M.N.C
 Eagle, I. OrvalCBN
 Ehrenfest, HugoN
 Erlanger, JosephN
 Ernst, E.C.BN
 Erskine, LucianCAE
 Evans, G.B.M
 Ewerhardt, F.H.NH
 Fleisher, M.S.GN
 Fletcher, P.F.N
 Freiberg, G.W.G
 Gamrath, H.R.CF
 Geerling, J.H.EHL
 Gilson, A.S., Jr.N
 Glatfelter, Miss E.E.EG
 Grady, R.F.M
 Grant, S.B.N
 Graves, W.W.HIN
 Gray, S.H.NLK
 Greaves, J.D.CN
 Green, F.W.MAK
 Greenman, J.M.G
 Hardesty, J.F.N

St. Louis, Cont'd.

Harris, D.L.N
 Heising, Clara M.
 Helmsing, Sister M.
 Hershey, A.D.CAO
 Heys, Miss F.M.FN
 Hill, Edgar S.CN
 Holtgrewe, F.W.N
 Hughes, A.L.B
 Hunt, G.A.N
 Hurley, Sister J. d'Arc.
 Irish, H.C.GO
 Jackson, L.B.FD
 Jauncey, G.E.M.B
 Jones, L.R.N
 Jordan, C.N.C
 Julianelle, L.A.N
 Keller, JosephN
 Kent, RichardB
 Kernaghan, Mother M.
 Keyes, Sister R.A. FGH
 Kinsella, R.A.N
 Kirchner, W.C.G.N
 Kneif, M.R.K
 Kostko, J.K.M
 Krieger, C.J.DBA
 Lane, H.S.I
 Langsdorf, A.S.MB
 Larimore, J.W.N
 Laughlin, C.W.BAK
 Lemmon, V.W.IB
 Lentz, T.F.IO
 Leob, LeoNF
 Loeb, VirgilN
 Luedde, W.H.MNA
 Luyet, B.J.FGB
 McCourt, W.E.EM
 McCulloch, R.
 McDaniel, F.W.
 Macelwane, J.B.BF
 Main, L.R.N

St. Louis, Cont'd.

Mallinckrodt, E., Jr.C
 Mange, C.E.CMB
 Margolin, Sol E.IO
 Matlock, Miss N.F.QD
 Mayo, M.J.IO
 Meltzer, H.OI
 Miller, Mary L.C
 Mitchell, M.L.BDE
 Moore, E.K.CNM
 Moore, G.T.G
 Moore, MorrisGN
 Nafe, J.P.I
 Nagel, Miss L.GFC
 Neilson, C.H.NO
 O'Reilly, A.J.ABM
 Osborn, J.O.A
 Patterson, C.B.CMK
 Peden, J.C.NBC
 Peugnet, H.B.N
 Pfingsten, Miss M.NF
 Philpott, C.H.FNG
 Pough, F.H.DCE
 Preisler, P.W.C
 Proetz, A.W.N
 Puppel, I.D.NCB
 Purcell, T.E.N
 Reddish, G.F.Np
 Reynolds, E.S.GC
 Riddle, E.M.IO
 Rioch, D. McK.N
 Robinson, E.G.E
 Robinson, H.Nd
 Rodewald, C.W.CBA
 Roever, W.H.ADB
 Russe, Fred W.CP
 Russe, F.W., Jr.MOC
 Sachs, ErnestN
 Sackett, C.H.QG
 Schery, C.W.N
 Schlueter, R.E.L
 Schoemaker, D.M.N
 Schwitala, A.M.F
 Scott, G.H.FN
 Seelig, M.G.N
 Seib, G.A.NHF

St. Louis, Cont'd.

Sellmeyer, B.L.F
 Shaffer, P.A.CN
 Shahan, W.E.N
 Shaklee, A.O.NpCI
 Shannon, J.I.BED
 Shaver, NellieI
 Shepard, W.D.MB
 Sheiwin, C.F.NQ
 Shipton, W.D.E
 Short, R.L.A
 Silberberg, MartinN
 Snyder, E.N.NEF
 Somogyi, M.NC
 Soper, H.W.N
 Stearn, N.H.EQM
 Stroud, C.M.N
 Sultan, Fred W.CN
 Tate, F.W.CNp
 Taussig, F.J.N
 Teeters, W.R.C
 Terry, R.J.NHI
 Thayer, J.R.C
 Thielke, R.C.CB
 Trotter, Miss M.HNF
 Varney, P.L.N
 Varney, R.N.BAM
 Veeder, B.S.N
 Von Schrenk, H.M
 Voyles, J.S.Nd
 Wall, E.E.M
 Wallingford, V.H.
 Webb, E.A.CNM
 Weiss, R.S.NOG
 Welch, A. DeM.NC
 Werner, A.A.NFI
 Werner, CourtneyE
 Wettengel, C.A.MBC
 Wiedemann, H.E.C
 Williams, G.D.H
 Wolff, Miss D.NF
 Womack, N.A.NF
 Yntema, L.F.C
 Zimmerman, L.I.BAD

Springfield

Beber, A.J.GCF
 Cribbs, J.E.G
 Finkel, B.F.AB
 Glynn, RobertNII
 Green, E.H.HI
 Hanan, E.B.NAC
 H'Doubler, F.T.NC
 Hovey, H.B.INC
 Neal, R.CO
 Palmer, Miss G.OKI
 Temple, A.P.O
 Thompson, F.F.IO
 Voris, RalphF
 Whitney, L.V.B
 Wilkinson, R.IO

Tarkio

Jenison, J.R.ABD

University City

Kuntz, AlbertF
 Liggett, W.E.GDE

Warrensburg

Morris, W.C.B

Warrenton

Schulze, Miss L.M. FG

Webster Groves

Baker, S.S.BDM
 Clarke, Sister M.B.A
 Crossen, H.S.N
 Derby, F.H.O
 Gross, J.H.NO
 Kirkpatrick, A.C
 Lischer, B.E.HNDQ
 McLeese, Sister F. deC.C

Whitehorn, J.C.NC
 Williams, J.H.Nd

MONTANA

Belton

Libbey, D.S.EHF

Billings

Moos, LouisEFO
 MacDonald, E.H.EM

Bozeman

Cobleigh, W.M.C
 Cotner, F.B.G
 Kelly, H.C.BM
 Linfield, F.B.O
 McKee, ClydeOGK
 Marsh, HadleighN
 Mills, H.B.F
 Morris, H. Elwood GCO
 Patton, A. RaeCNO
 Richardson, J.E.CNB
 Spaulding, M.H.F
 Strand, A.L.F
 Swingle, D.B.G
 Tunnici, E.A.N

Butte

Corry, A.V.M
 Falck, A.D., Jr.EH
 Koenig, A.E.C
 McGill, CarolineN
 Newman, J.X.NQC
 Sales, Reno H.EM
 Sloss, L.L.EF
 Wendel, C.MEH

Chinook

Sprinkle, C.R.FGE

Darby

Shockley, Wilfred ...F

Ekalaka

Peck, W.H.EFH

Glendive

Hatterscheid, C.A.EFN

Great Falls

McHugh, Matthew ...I
 Townsend, G.FNC

Hamilton

Cooley, R.A.F
 Cox, H.R.NCE
 Davis, G.E.NF
 Palmer, B.M.OLD
 Parker, R.R.FN
 Philip, C.B.FN
 Steinhaus, E.A.NF

Helena

Brown, Miss M.A. NOF
 Butler, W.J.NFO
 Covington, Miss M. AK
 Gilbert, F.C.EKM
 Neuman, E.W.C

Huntley

Seamans, A.E.O

Missoula

Browman, L.G.FNC
 Castle, G.B.F
 Deiss, Chas. F.EH
 Elrod, M.J.FGN
 Gisborne, H.T.O
 Hetler, D.M.CN
 Kemp, P.D.O
 Little, E.M.BAC
 Merrill, A.S.A
 Ramskill, J.H.GO
 Rider, T.T.Nd
 Severy, J.W.G
 Shallenberger, G.D. B
 Suchy, J.F.CNpG
 Turney-High, H.HK

Shelby

Downs, G.R.E

Thompson Falls

Stockton, R.S.MOA

NEBRASKA

Agate

Cook, H.J.EFH

Albion

Florell, V.H.OGC

Beatrice

Waddell, W.W.N

Bridgeport

Sweet, S.R.OEH

Broadwater

Minshall, J.R.EHI

Chadron

Berry, E.M.ABD
 Philpott, C.W.BC

Cheney

Bell, RaymondABQ

Columbus

Allenburger, C.A.N

Creighton
Burrell, R.H. KN

Crete
Carlson, C.O. FGE
Hawkes, Julia M. DA
Helyhoe, A.G. I
Johnson, A.L., Jr. BA
Wightman, E.R. B

Grand Island
Yost, Howard Nd

Hastings
Cramer, John F. BAM
Creighton, J.W. IIK
James, Harry R. B
McDill, R.M. A

Kearney
Larson, Durfee EKO
Morse, Mary L. C

Lincoln
Ackerson, C.W. CO
Allred, B.W. GEH
Almy, John E. BC
Andersen, Emma N. G
Andersen, Arthur OK
Apperson, Miss S.V. IQ
Arnold, Charles H. N
Arnold, I.I.A. AB
Bailey, B.F. N
Baller, Warren R. I
Barbour, Carrie A. E
Bengtson, Nels A. E
Blair, Thomas A. B
Blake, I.H. FG
Brenke, William C. AD
Brown, D.J. C
Burr, William W. OC
Burt, J.B. NpC
Camp, Chester C. ABM
Collins, C.B. FGN
Davis, H.P. OFG
DeBaufre, W.L. M
Duley, F.L. OGC
Eiseley, Loren C. HF
Emerson, Clarence N

Battle Mountain
Raring, Robert H. E

Boulder City
Rose, Robert H. EHQ

Caliente
Sander, Albert F. OGE

East Ely
Bowdle, R.A. N

Fallon
York, Bernard ME

Acworth
Amsden, G.S. IHQ

Concord
Burnham, W.H. IO
Conwell, G.M. ABQ
Howes, S.F.H. NI
Norton, Louisa M. N
Sears, F.E. B
White, F.B. PQ

Dover
Krabek, W.B. CNF

Lincoln, Cont'd.
Engstrom, Harold E. QI
Failor, Miss L.M. G
Goggi, Carl E. CGN
Goss, Robert W. G
Gregory, Wilbur S. I
Guilford, J.P. I
Hamilton, Cliff S. CN
Hendricks, B.C. COB
Herpolsheimer, H. CN
Hilton, D.C. N
Himmel, Walter J. G
Holck, H.G.O. Np
Howie, J.M. AQ
Jenness, Arthur F. INK
Jensen, J.C. BMD
Jorgensen, Guy C. CBF
Keim, F.D. O
Kiener, Walter GE
Kiesselbach, T.A. OG
Leverson, Ruth M. NCO
Lewis, Keith H. NCG
Lindgren, L.F. N
Lugn, A.L. EH
Lyman, R.A. Np
MacEwan, Eula D. E
Macnab, James A. FGE
Manser, Harold FN
Marsh, Frank L. FG
Marvin, H.H. B
Mills, Miss L.M. NpFG
Musselhi, Frank E. OCO
Peltier, George L. G
Perry, Winona M. IO
Peterman, Jesse NIE
Petersen, N.F. G
Pierce, Tracy A. ABD
Pool, Raymond J. G
Powers, Joseph H. F
Quisenberry, K.S. O
Reid, Eugene C. E
Reinhardt, James M. K
Rosenquist, C.E. OG
Runge, Lu L. A
Schramm, E.F. E
Schultz, C.B. EHF
Shirk, Claude J. GF
Slaymaker, P.K. M

Lovelock
Scott, A.H. CEM

Reno
Bixby, F.L. M
Blair, G.B. BD
Burke, W.E. C
Chappelle, B.F. LHE
Clark, Walter E. KO
Church, J.E. BEL
Deming, M.W. C
Doten, Samuel B. C
Earl, Warren B. N

Durham
Bauer, Geo. N. KA
Butler, O. G
Dunn, Stuart GCO
Fogg, Lloyd C. F
Jackson, C.F. F
Latimer, L.P. OGC
Moran, Clement E
O'Kane, W.C. FHC
Phillips, T.G. CGO
Sackett, E.B. QI
Shimer, Stanley R. C
Smith, T.O. CGO

Lincoln, Cont'd.
Smith, T. Townsend B
Spencer, Roy C. B
Starch, E.A. OK
Stoesz, A.D. GE
Thompson, T.J. C
Van Es, Leunis GN
Wade, Otis F
Walker, Elda R. GF
Walker, Leva B. G
Washburn, E. Roger C
Weaver, J.E. G
Webster, Wm. D. F
Werner, H.O. GO
Whitney, D.D. F
Williams, R.A. O
Worcester, D.A. IQ
Yount, Marion G

Norfolk
Bohlen, Miss Anne GO
Hall, Miss R.C. GAC

North Platte
Zook, Leslie L. OGE

Omaha
Arendall, H.H. CFN
Bennett, A.E. N
Bennett, A.L. NpBC
Best, R. Russell N
Bisgard, J. Dewey NG
Carroll, Paul L. CN
Cech, Anton J. FB
Clements, Leo P. NOI
Colien, F.E. NpC
Crowley, Charles F. C
Derbyshire, R.C. FGN
Dietz, N. Jr. CNB
Dunn, F. Lowell BCN
Eggers, H.E. N
Eppstein, Samuel NC
Fair, R.H. M
Garlough, L.N. FGA
Garrett, F.D. F
Gerald, Herbert F. Np
Gojdics, Mary FG
Grodinsky, Manuel N
Hayden, Charles K. BA

Reno, Cont'd.
Frandsen, Peter F
Gianella, V.P. EMD
Hartman, L.W. BCD
Headley, F.B. O
La Rivers, I. FGE
Leaver, Edmund S. G
Lehenbauer, P.A. M
Leifson, Sigmund W. B
Lewis, Sarah L. NCQ
Lowrance, E.W. F
Mack, M.E. FGO
Miller, M.R. CO

Durham, Cont'd.
White, Geo. W. E
Woodward, K.W. GO
Yeager, A.F. OFG

Exeter
Bartlett, R.S. B
Bent, Arthur E. B
Funkhouser, H.G. ABQ
Little, E.P. BF
Longacre, Andrew QB
Segerblom, W. C
Shaw, Henry S. MB
Thomas, Thurlio B. F

Omaha, Cont'd.
Herold, Joseph M
Holyoke, E.A. NF
Jacobson, Miss E.M. FG
Judd, J. Hewitt N
Kenny, C.L. C
Koch, Berthe C. IL
Latta, John S. NF
MacQuiddy, E.L. N
Merchant, H.A. LNDQ
Morgulis, Sergius C
Myers, Lester E. Nd
Noyce, W.K. CBD
Pirsch, G.B. F
Poynter, C.W.M. NH
Prime, J.M. NpFH
Ray, J.D. N
Russum, B.C. NC
Sachs, Adolph N
Snider, R.S. NpC
Streitz, Miss A.N. NC
Stringer, Miss C.E. FGO
Taylor, L.O. O
Ward, Miss Nell C
Whalen, E.P. FGN
Wherry, W.P. N
Wilhelmj, C.M. NF

Palmyra
Maiben, Ben O

Scottsbluff
Cooper, A.L. NEH
Edgar, Alfred D. MOK
Nuckols, S.B. O

Seward
Keinath, H.O.A. LK

Valentine
Vaughan, L.D. ABD

Wayne
Boyce, Miss J.W. AQI
Brook, James E. B
Moore, John A. G
Wendt, Miss L.M. C

Reno, Cont'd.
Moore, T.G. EKH
Palmer, S.G. MPB
Records, Edward N
Sears, Geo. W. CO
Sibley, Frederick H. M
Swaim, C.C. NIQ
Williams, Loring C
Wood, Fredrick A
Young, J.R. IH

Wells
Robertson, J.H. GFO

NEVADA

NEW HAMPSHIRE

Franconia

Paton, Stewart N

Hanover

Ames, A., Jr. BIN
Arnold, Norman K. F
Austin, F.E. CDF
Bailor, Edwin M. I
Ballard, W.W. F
Bowen, W.W. F
Brown, B.H. A
Brown, Mrs. Eleanor A
Denison, R.H. E
Dow, Peter S. MQN

Hanover, Cont'd.

Forster, R.P.FN
 French, H.T.N
 Gerould, J.H.F
 Gilbert, N.E.BD
 Gliddon, Gordon H. .B
 Griggs, LelandF
 Hull, G.F.B
 Junkins, Sydney E. .M
 Karwoski, T.F.I
 Lord, F.P.NFG
 Mathewson, L.C.A
 Meservey, Arthur B. .B
 Miller, Ralph E.FN
 Moritz, C.E.F
 Page, F.S.G
 Pollard, Joseph G. .N
 Poole, James P.G
 Proctor, Charles A. .B
 Stewart, C.C.NF
 Stone, C.L.I
 Syvertsen, R.C.NF
 Unger, W.B.F

Hanover, Cont'd.

Wilder, Charles E. .AB
 Wilson, C.L.G
 Wyeth, George A. .N

Hillsboro

Baldwin, H.I. ...GOE

Laconia

Kassner, Myer J. .ECB
 Roberts, Edwin J. .C
 Shortle, Walter .CBA

Lebanon

Haskins, Charles N. .A

Littleton

Ciampolini, E. .NMK

Manchester

Bennett, H.W.N. ...N
 Hunt, Samuel P. .MCB

Manchester, Cont'd.

Streeter, Miss E.W. IK
 Wallace, L.O.S. .NDB

Melvin Village

Page, Lincoln R. .ECF

New Ipswich

Hobson, E.G.Q

New London

Richardson, F.L. .FN

Newport

Satterlee, H.S.NH

Peterborough

Batchelder, C.F.F
 Jackson, R.T.FE

Portsmouth

Raynes, A.F.N
 Raynes, George W.

Sanbornton

Bingham, H.C. ...IQH
 Cobb, Miss M.V. ...IQH

Seabrook Beach

Pickard, G.W.BM

Sugar Hill

Jameson, Eliza D. ...IQ

Whitefield

Lay, J.T.B

Wilton

Abbott, W.G., Jr.M

Wolfeboro

Sargent, H.E.QGB

Wonalancet

Crane, Myrick ...CBM

NEW JERSEY**Allenhurst**

Mitz, GeorgeMBC

Alpine

Burnett, J.C.BCN

Arlington

Joyce, C.M.CO
 Lyon, Carl F.CBI
 Medsger, O.P.G
 Paine, H.W.CBP
 Townsend, Robert V. .C

Atlantic City

Wescott, W.C.CN
 White, C.D.DEK

Avon by the Sea

Bamberger, Edgar S. ..

Barber

Forrest, C.N.M

Bayonne

Dodge, F.D.CBA
 Gaines, Robert P. .CN
 Monahan, F.S.CBE
 Pilling, Norman B. .M
 Poskus, A.C.CBA
 Rubenstein, EliN

Belleplain

Durell, FletcherA

Belleville

Brid, Andre E.CON
 Cummings, H.N. .QME
 Parker, Hugh K.C
 Reock, E.C.NdIK
 Zrike, EdwardCMN

Belmar

Bamford, W.B.KIM
 Higley, L. Allen .CE

Belvidere

Cummins, George W. N

Bendix

Woldman, N.E.BM

Bergenfield

Ekstrand, S.O. .BMA
 Smith, Clarence A. .CNA

Bernardsville

Cross, W. Redmond .E
 Fosbinder, R.J.CN
 Jacobus, D.D.CBM
 Roebing, John A.M

Beverly

Mendel, William CME

Birmingham

Dean, John G.CBA

Bloomfield

Bender, Howard L. .C
 Casselman, Ralph .CM
 Fenner, L.M.G
 Findlay, John H. .BCA
 Giesy, P.M.MCQ
 Hazen, Thomas .BAM
 Irvin, RoyC
 Liming, O.N.GFO
 Marden, John W. .CMB
 Mead, M.W., Jr.C
 Moore, R.J.CM
 Rentschler, H.C.C
 Schildknecht, C.E. .CO
 Schmidt, John H.C
 Schwenk, Erwin .CN
 Stoner, W.H.NF
 Teaze, M.H.MAC
 Vassar, H.S.M
 Wakefield, H.F.C
 Weith, Archie J. .CBM

Bloomington

Donald, William CMK

Bogota

Scott, E.L.NCF

Bound Brook

Amick, Chester A.C
 Crossley, M.L.C
 Jeffcott, Robert C.C
 Mackenzie, C.S.K
 Merz, AugustC
 Pineo, O.W.BN
 Schaffie, AlbertQ
 Schneiderhan, F.J. .G

Bridgeton

App, Frank .O

Burlington

Mott, W.E.MQ
 Schuh, Arthur E.C
 Steinmetz, Miss M.E. .A

Caldwell

Leibing, Joseph K.
 Stacy, L.J.BM
 Taylor, T.S.B
 Willis, F.C.M

Camden

Antrobus, Edna M. .N
 Foley, JosephMA
 Goldstein, H.I.N
 Kohman, E.F.CN
 Schlesman, C.H.CM
 Schroeder, A.C. .MBA
 Shemeley, W.G., Jr. .NIH
 Wolff, IrvingB

Carneys Point

Ranck, Bruce O. .CMI

Chatham

Bostwick, L.G.BD
 Manning, Arthur C. .CB
 Wallace, E.V.D. .MBC

Clifton

Dobson, George .BMK
 Fenner, C.N.EBC

Closter

Ackerman, Mrs. E.S. .ADB

Collingswood

Sturmer, J.W.CNQ
 Vanderkleed, C.E. .CN

Convent Station

Brobston, Sister M.A. .CBA
 Dorety, Sister H.A. .G
 Lawlor, Sister A.C. .FGN
 Murray, Sister M.R. .C

Cranford

Beach, H.K.MBA
 Dexter, F.P., Jr. .CBE
 Wilson, A.C

Cresskill

Teeters, Wilbur O.C

Dayton

Durfee, ThomasNC

Demarest

Crosman, A.M.FN

Dover

Allison, V.C.EFH
 Craig, Miss G.M.NF
 Fry, AlvinQCE
 Moore, Stanley B. .BM
 Phillips, A.J.BCI
 Rinkbach, W.H. .CF
 Scharf, R.W.CNA

Dumont

Alter, B.E.K., Jr. .BAC

East Orange

Brown, A.T.MBA
 Colbeth, I.M.CAM
 Cowles, Harry D. .C
 Embury, Miss E.C.
 Ernst, Herman .OCB
 Hagemann, G.E. .MKQ
 Hogg, J.L.B
 Kilmer, Elmer K. .IQ
 Macalpine, W.W. .MB
 Palmer, HaroldAQ
 Pickering, D.B. .DBF
 Rimsky-Korsakoff, Vladimir N.FCL
 Schwing, Karl J. .CBM
 Stone, LeoC
 Tripp, James G. .MEK
 Walsh, JosephNd

Edgewater

Rose, Mary D.S. .FGN
 Yelland, W.E.C

Elizabeth

Bonnett, L.B.BM
 Davis, G.H.B.CNM
 Deane, C.W.MCQ
 Hoover, A.R.N
 Kearby, K.K.CMI
 Miller, N.E.COM
 Molitor, HansN
 Moulton, S.C.CBA
 Peck, E.B.CMB
 Phillips, G.W.M. .MCB
 Sloane, R.G.CM
 Toth, Stephen J. .COG
 Wenker, HenryC
 White, John U.BCD
 Whittier, Thos. C., Jr. .C
 Williams, Arthur S. .C

- Elmer**
Garrison, W.A. ... IQA
- Englewood**
Atchley, Dana W. ... N
Bogert, C.M. ... F
Echols, Charles P. ABQ
Famulenei, L.W. ... NG
Gittlitz, A.J. ... NBC
Mills, P.C. ... K
Neidig, W.N. ... MKB
Phillips, Walter ... N
Seymour-Jones, F.L. ... CO
- Essex Falls**
Stacey, Alfred, Jr. ... MH
- Far Hills**
Tainter, F.S. ... M
- Flemington**
Ritchie, John W. ... G
- Florham Park**
Cline, J.K. ... CN
- Freehold**
Hunter, R.J. ... DFH
- Garfield**
Chmielowiec, S.A. ... I
- Gibbstown**
Franzinger, K.W. ... CEB
- Glassboro**
Haupt, George W. ... QI
- Glen Ridge**
Brainin, C.S. ... BDP
Kenagy, H.G. ... IKO
Slack, C.M. ... B
Stillwell, E.C. ... Nd
Westcott, Miss C. ... G
- Glen Rock**
Shannon, E.R. ... EIK
- Grantwood**
Bons, Franz ... HL
Frank, E.T. ... C
- Grasselli**
Zimmerman, B.G. ... CMT
- Grenloch**
Bateman, Fred H. ... OM
- Greystone Park**
Beucier, W.G. ... NCP
- Hackensack**
Greenfield, W.J. ... N
PHELPS, John J. ...
- Haddonfield**
Brown, George H. MBA
Westermaier, F.V. ... M
- Hamilton Square**
Rhodes, Fraser B. ... MC
- Harrison**
Buxton, Loran O. CNP
Headrick, L.B. ... BCA
Ulrey, Dayton ... B
- Haworth**
Putt, Earl B. ... CN
- Highland Park**
Brines, M.J. ... IQ
Entemann, C.E., Jr. ... CNF
- Highland Park, Cont'd.**
Palmer, John W. ... NC
Peterson, Paul D. OGC
Robbins, W. Rei ... GO
- Highlands**
Haynes, Caroline C. ... G
- Hoboken**
Barnwell, G.W. ... KM1
Becker, G.G. ... G
Conner, Robert ... C
Davis, Harvey N. ... BMA
Deimel, Richard F. ... M
Fine, Morris S. ... CG
Furman, F. De R. ... MO
Gunther, C.O. ... ABM
Hazeltime, L. Alan ... AB
Huber, Charles J. ... MB
Koblener, Hugo ... OC
Kremers, R.E. ... CNO
Olgen, Aksel G. ... C
Pond, Francis J. ... C
Snader, David L. ... M
- Holmdel**
Englund, Carl R. ... MBA
- Interlaken**
Schelleng, J.C. ... B
- Irrington**
Goeller, Jacob ... NI
Linck, Victor ... HLK
- Jersey City**
Alter, Nicholas M. ... N
Bowden, G.A. ... CBI
Bremer, Valentine ... CN
Cassel, Hans M. ... CBN
Chesley, Leon C. ... CNF
Colgate, Robert B. ... C
Crunden, A.B., Jr. ... NO
Dyme, H.C. ... CNA
Eldred, Frank R. ... CM
Graft, Charles E. ... M
Haage, Miss L.L. ... NQK
Hohman, Arthur J. ... C
Ireland, C.E. ... B
Jaffin, A.E. ... NFH
Lamson, Edna E. ... IQE
Leyes, C.E. ... CMB
Orelup, J.W. ... C
Rosinger, Arthur ... BCP
Samuelson, C.D. ... BM
Scott, C.R.E. ... CBM
Seydel, Herman ... CM
Shawver, B.T. ... CBA
Tortora, Anthony ... NCG
vonder Lieth, J.F. ... CN
Wallace, J.H., Jr. ... CN
- Kearny**
Brown, George R. ... MBC
- Kearbey**
McDowell, S.J. ... CME
- Lake Hiawatha**
Mooney, Melvin ... BP
- Lakewood**
Agar, William M. ... E
- Lambertville**
Fireman, Peter ... CB
Kugler, L.T. ... C
- Lawrenceville**
Heath, H.W. ... CB
Hitchcock, C.S. ... CBQ
Light, A.B. ... FIN
- Lebanon**
McIntire, W.C. ... C
Stowe, H.C. ... M
- Leonia**
Butler, B.T. ... EGH
Elmen, G.W. ... M
Gwynn, M.H. ... CAB
Hamilton, F.M. ... IQ
Hilbert, F.L. ... CBI
Hixson, Arthur W. ... C
Horne, H.H. ... QI
Karapetoff, V. ... BMA
LaMer, Victor K. ... CBK
Linn, David E. ... CNB
Marsh, H.D. ... IHK
Merrill, John E. ... D
Morse, L.B. ... BDI
Ramsperger, H.G. KIH
Snider, Luther C. ... E
- Lincoln Park**
Thomson, H.M. ... MK
- Linden**
Gajewski, Fred J. ... CDN
Greenberg, Pearl ... I
- Livingston**
Lorz, Mrs. Albert P. ... F
- Long Valley**
Laskey, W.G. ... M
- Lower Bank**
Underhill, C.R. ... MBN
- Lyndhurst**
Ehrlich, M.W. ... M
- Madison**
Beinecke, F.W. ...
Cole, Stewart G. ... QIK
Dumm, Walter J. ... CO
Green, Wyman R. ...
Hale, Mrs. R.D.S. ... FG
Harrington, M.C. ... BD
Hubbard, Mrs. J.C. ... H
Lawson, O. Gerald ... L
Maxfield, J.P. ... MB
Potter, R.K. ... M
Rollins, Mabel A. ... K
- Mahwah**
Grisewood, E.N. ... BQ
- Manville**
MacAlpine, W.M. ... CB
- Maplewood**
Bown, Ralph ... BM
Butler, W.M. ... DKL
Clark, Alva B. ... MKB
Fox, John P. ... D
Lamme, M.A. ... C
Mathes, R.C. ... MB
Mills, John ... M
Moore, Miss M. ... CN
Pidgeon, H.A. ... BM
Springer, W.M. ... CBA
Summers, D.B. ... CNM
- Margate City**
Homan, John G. ... I
- Marlboro**
Baker, E.F. ... N
Gordon, J.B. ... NI
Stone, Robert ... IHQ
- Marlton**
Zworykin, V.K. ... B
- Martinsville**
Smith, J.M., Jr. ... C
- Maywood**
Carruth, Frank E. ... C
- Merchantville**
Patterson, J.E. ... CBN
Terry, Robert L. ... F
- Metuchen**
Dahlstrom, Roy ... C
Myers, A.M. ... M
Sayre, Ralph ... C
Waddell, James ... CNO
- Millburn**
Germer, Lester H. ... B
Nyquist, H. ... B
PHELPS, Lillian A. ... F
Semple, R.A. ... M
- Millington**
Draper, Thomas ... M
Park, Robert H. ... BCA
- Milltown**
Gloor, W.E. ... CM
- Millville**
Barton, G.E. ... C
Lewis, Daniel C. ... CKQ
- Montclair**
Adams, E.W. ...
Bailey, Miss E.H. ... MK
Baker, J.C. ... CN
Brooks, J. Ansel ... M
Pradkin, Leon H. ... NK
Fulle, R.M. ... E
Gibbons, Willis A. ... C
Glenn, Earl R. ... BQ
Haines, Thomas H. ... IN
Hessel, F.A. ... C
Hollingshead, G.G. HK
Hutchinson, F.J. ...
Irion, Clarence E. ... C
Ives, Herbert E. ... B
Jones, M.L.G. ... EFL
Kinney, Joseph N. ... MO
Llewellyn, F.B. ... BAM
Mallory, Virgil S. ... AO
Mount, Walter B. ... NL
Pudney, W.K. ... N
Reed, W. Maxwell ...
Schlacher, Carl H. ... M
Threlkeld, A.L. ... Q
Vorce, L.D. ... CM
Weston, Mrs. E.F. EIG
- Moorestown**
Hadley, C.H. ... F
Haines, E.C. ... GBO
Hall, Lawrence P. ... C
Lamborne, G.W. ... CEF
Linton, M.A. ... QKA
Merrill, Mrs. D.R. ... C
- Morris Plains**
Montgomery, Wallace ... MCK
- Morristown**
Colvin, Charles H. ... M
True, R.P. ... GO
van Beuren, F.T., Jr. ... N
Walter, J.M., Jr. ... GO
Webber, Ray T. ... F
- Mt. Holly**
Calmon, Calvin ... C
- Mountain Lakes**
Black, K. Charlton ... B
Fitzgerald, G.A. ... CNO
Kollmorgen, F.L.G. ... BDG

**Mountain Lakes,
Cont'd.**

Moulton, Gail F. E
 Mueser, E. E. MKB
 Newman, D. F. M
 Shewhart, W. A. K

Newark

Antopol, William NC
 Barnard, C. I. HIK
 Bauman, E. O. NCF
 Bretzke, C. F. KM
 Carter, Fred E. MBC
 Carvin, F. D. MBO
 Clark, William K
 Colson, Henry C. CNM
 Cooper, Joseph H. C
 Cosgrove, John F. CFN
 Coy, Herbert D. NdB
 DeLeon, B. BOK
 Dennis, Harold CBE
 Deno, Richard A. F
 Edel, Albert E. C
 Fletcher, Charles W. M
 Goedrich, Paul CN
 Goldberg, Samuel A. N
 Goodwin, W. N., Jr. MB
 Horning, Samuel C. C
 Joseph, Edward, III. N
 Kelley, M. J. CBA
 Koenig, Walter J. CB
 Kremenetz, Richard I
 Levine, Philip NFG
 Lewis, Leon NCH
 Little, Ernest CN
 McCarthy, Miss M. C

Meier, Frank A. NC
 Miller, R. B. EGM
 Ozias, Ramon E. C
 Saltsman, Edgar BME
 Schmeltke, F. C. C
 Schramm, G. J. I
 Skinner, Leo V. MBA
 Stanley, Miss P. NFC
 Steiner, Miss M. E. I
 Thiessen, R. Jr. CGF
 Weckstein, A. OFG
 Wiggins, B. L. B
 Wintsch, C. H. N
 Wood, F. D. F
 Wood, H. E., II. EF
 Woodward, H. P. EMH

New Brunswick

Allison, J. B. CFN
 Anderson, J. A. CN
 Anderson, John F. N
 Ansbacher, S. NC
 Bear, Firmin E. COG
 Blair, A. W. CO
 Bunney, W. E. NC
 Burgess, Miss A. EH
 Burkhardt, Leland G
 Cathcart, Chas. S. C
 Chrysler, Mintina G
 Clark, E. S. BFG
 Cole, William H. FG
 Connors, C. H. OGF
 Cook, Sidney A. IQ
 Cottle, D. L. C
 Davidson, O. W. GO
 DeFalco, Ralph FN
 Gaum, C. G. KM
 Ginsburg, Joseph M. OC
 Greene, Richard D. CE
 Greenwood, W. R. NI
 Greze, John P., Jr. NCB
 Haenseler, C. M. G
 Hayes, A. O. E
 Headlee, Thomas J. F
 Heck, R. C. H. MB
 Holaday, Horace A. CN
 Hummel, K. P. FN

**New Brunswick,
Cont'd.**

Jackson, Wilfrid J. B
 Jensen, H. CN
 Joffe, J. S. OCE
 Johnson, Helgi EF
 Johnson, Marion A. G
 Keilin, Harry C
 Keyser, C. J. A
 Klein, William N
 Leonard, Samuel L. FN
 McKee, Miss C. M. N
 Marsh, Robert P. FG
 Martin, W. H. GO
 Marvin, W. T. IHK
 Meder, A. E., Jr. AQK
 Menzel, A. E. O. NC
 Metzger, H. J. CNO
 Moore, Imogene FG
 Morrell, J. A. BCN
 Morris, Richard A
 Murray, T. J. N
 Nelson, Cyril A. A
 Parker, R. C. FN
 Pratt, Carroll C. I
 Pratt, Frank R. B
 Priepke, Rudolf J. C
 Prince, Arthur COG
 Reese, Ralph P. ONF
 Risetto, Arthur J. C
 Roever, William E. G
 Rudolfs, Willem MC
 Ruigh, Wm L. CN
 Sanderson, Sidney I
 Sease, V. B. C
 Shackell, L. F. Np
 Shaffer, Morris F. N
 Shive, John W. G
 Small, Mrs. F. C. C
 Sprague, Howard B. OG
 Starkey, R. L. OGN
 Thomas, B. G. H. NC
 Tiedjens, V. A. GOC
 Timcoe, Miss Helen F
 Tupikova, Miss N. A. C
 van Dyke, H. B. N
 Voorhees, Louis A. CFO
 Waksman, S. A. GOC
 Weiss, Harry B. FGL
 Wilkerson, A. S. E
 Winchester, G. BCA

New Lisbon

Chambers, F. S. MO

North Plainfield

VanDoren, Lloyd C

Nutley

Ewart, R. H. CMP
 Foster, R. H. K. Np
 Hart, E. J. CBG
 Morse, E. H. CM
 Zarrow, M. X. Np

Ocean City

Bramley, Arthur B
 Klauder, R. H. M
 Shelley, J. M. FGE

Ocean Grove

Miller, Miss Myrtle A

Oradell

Coca, Mrs. E. F. G. N
 Schneider, Robert C

Orange

Burns, Daniel F. CB
 Ferguson, R. H. NID
 Gore, John K. AKN
 Shackelford, B. E. B
 Stanger, J. V. CN
 Worne, H. E. CN

Palisade

Brown, Grover C. MK
 Burton, Opitz, R. FGN
 Hoke, Miss C. M. CGF
 Jaffe, John KP
 Jaffe, William J. MAP
 Of, Charles M
 Pfeiffer, G. A. A
 Rautenstrauch, W. M

Palisades Park

Patton, C. W. CBN

Passaic

Carlisle, J. H. N
 Finkelman, M. NCH
 Grabbe, E. M. B
 Uehling, F. F. BCM

Paterson

Alteneder, Miss L. E. IO
 Bleye, G. A. MQ
 Gagg, R. F. MA
 Heines, N. J. BD
 Morton, James F. EFH
 Wilson, John K. LQ

Pemberton

Beckwith, C. S. F

Pennington

Lumpkin, R. C. IHK

Penns Grove

Carleton, Paul W. C
 Grageroff, I. CM
 Maurer, George CBI
 Rose, Mrs. G. B. CEF

Perth Amboy

Katz, Samuel S. NpCG

Plainfield

Barlow, DeW. D. ADM
 Bower, Mrs. E. C. NFC
 Brokaw, R. V. C
 Cummins, A. B. CMO
 Gavett, Weston MC
 Lacey, Harold T. C
 Langstroth, C. B. MCB
 Mesier, Miss E. T. CNP
 Moment, John J. N
 Moody, Miss G. FG
 Orem, H. Philip CBM
 Prosser, E. A. CGM
 Smith, George A. QIF
 Townshend, Bailey BC

Point Pleasant

Chalkley, Lyman CBN

Port Norris

Stauber, Leslie A. F

Princeton

Adams, Edwin P. B
 Alexander, J. W. A
 Anson, M. L. NCF
 Bender, Harold H. L
 Black, Lindsay M. GO
 Bohnenblust, F. A
 Bray, Charles W. I
 Brigham, Carl C. IO
 Brown, W. H. N
 Brown, W. F., Jr. BAM
 Buddington, A. F. E
 Butler, Elmer G. F
 Caley, Earle R. C
 Cary, L. R. FG
 Chase, A. M., Jr. F
 Chinard, Gilbert A
 Church, Alonzo L

Princeton, Cont'd.

Clifford, Alfred H. A
 Conklin, Edwin G. F
 Dahlgren, Ulric FG
 Dorf, Erling EG
 Downsborough, G. A. BAD
 Dugan, R. S. DBA
 Eisenhart, L. P. A
 Elveback, Miss M. L. ABQ
 Eyring, Henry C
 Fankhauser, G. F
 Field, Richard M. EF
 Flood, Merrill M. AK
 Furman, N. H. CBM
 Giese, Arthur C. FCG
 Gillespie, William A. A
 Glaser, R. W. FN
 Glasstone, Samuel CB
 Greene, A. M., Jr. M
 Greene, Harry S. N. N
 Harrop, George A. N
 Hart, Harry C. ABM
 Harvey, E. N. FGN
 Harvey, Ethel B. F
 Howell, B. F. E
 Jepsen, G. L. E
 Johnson, Frank H. FG
 Knight, J. Brooks EFQ
 Kunkel, L. O. G
 Kunitz, Moses CFG
 Ladenburg, Rudolf B
 Langfeld, H. S. I
 Lauffer, Max A. CN
 Lefschetz, S. A
 MacClintock, Paul E
 McClure, C. F. W. F
 MacDonald, W. E. ADB
 Magie, W. F. B
 Mayer, Walther A
 Menzies, Alan W. C. CB
 Miller, Altem S. MP
 Moody, A. M. G. MB
 Moody, Lewis F. MA
 Moore, Miss C. E. DB
 Morse, Marston A
 Nelson, John B. N
 Northrop, John H. C
 Notestein, Frank W. K
 Orcutt, Miss M. L. N
 Pearce, Louise NCB
 Pease, Robert N. CB
 Price, W. C. G
 Rankin, Walter M. GF
 Russell, H. N. DBA
 Scott, W. B. E
 Shenstone, A. G. B
 Shope, Richard E. N
 Shull, G. H. G
 Sitterly, B. W. D
 Smith, Donald P. C
 Smyth, Charles P. CB
 Smyth, H. D. B
 Snelgrove, A. K. E
 Stanley, W. M. CNG
 Stoll, Norman R. FN
 Taylor, Hugh S. CB
 TenBroeck, Carl FGN
 Thom, W. T., Jr. EKM
 Trager, William FN
 Tucker, A. W. A
 Veblen, Oswald A
 vonNeumann, J. ARK
 Wallis, Everett S. CN
 Wedderburn, J. H. M. A
 Wever, E. G. IN
 Wheeler, John A. BA
 White, Milton BCM
 White, Philip R. GCN
 Wigner, E. P. BCA
 Willis, C. H. M

- Rahway**
 Addinall, C.R. ...CNB
 Major, Randolph T. CB
 Pittman, C.U. ...CBA
 Rosin, Joseph ...C
 Sampson, W.L. ...NC
- Red Bank**
 Pitman, Earle C. ...CM
 Southworth, G.C. ...B
- Ridgefield**
 Morgan, W.E. ...CBG
- Ridgewood**
 Affel, Herman A. ...M
 Burling, Temple ...NTK
 Mercer, F.N. ...ECD
- River Edge**
 Whitehead, F.E. ...NCQ
- Riverton**
 Gould, D.F. ...C
 Hester, Jackson B. ...OC
 Porter, Donald R. ...G
- Roselle**
 Buc, H.E. ...C
 Siegel, Alfred ...CBN
- Rumson**
 Friis, H.T. ...M
- Rutherford**
 Kannenberg, W.F. ...MBC
 Shuman, A.C. ...CE
 Smith, P.R. ...CMB
- Scotch Plains**
 Pratt, Edmund A. ...BAM
- Secaucus**
 Reznikoff, Leon ...NIH
- Short Hills**
 Carver, Fred S. ...MP
 Robinson, F.W. ...CN
- Skillman**
 Wiederhold, Oscar CM
- Somerville**
 Gaston, L.P. ...BKM
 Smolak, George ...CBM
- South Amboy**
 Owen, E. Robert ...BM
- S. Bound Brook**
 Lombardo, J.B. ...CBA
- South Orange**
 Cowen, Robert I. DMC
 Curtis, Austen M. ...M
 Hall, Mrs. Henry T. ...D
 Havill, Clinton ...MB
 Inch, Mrs. S.R. ...G
 Loeser, Lewis H. ...NIF
 Miller, J.A. ...N
 Neifeld, M.R. ...KIA
 Pratt, Arthur H. ...M
 Rauch, Louis M. ...AB
 Stanwick, C.A. ...MBA
 Tuttle, Frank ...EFG
- Stelton**
 Boyden, A.A. ...F
 Boyden, Mrs. M.G. ...F
 Morris, M.L. ...NF
- Summit**
 Backer, Leslie H. ...C
 Bishop, Howard B. ...C
 Day, W.S. ...B
 Dodd, Miss D.M. ...BA
 Dort, Robert G. ...CBE
 Hardy, Charles S. ...Nd
 Hartley, R.V.L. ...B
 Hunt, Franklin L. ...B
 Isermann, S. ...CKN
 McCallie, J.M. ...I
 MacIrvine, F.S. MKP
 MacNair, Walter A. ...B
 Pfister, Karl ...C
 Romer, Miss C.S. ...G
 Snow, William B. ...MB
 Thompson, Albert C. ...
 Willard, F.W. ...CM
 Wrightstone, J.W. ...QIK
- Teaneck**
 Benson, F.R. ...CNI
 Coles, C.H. ...GCF
 Conway, W.J. ...CQ
 Haggerty, Cecil ...C
 Hope, Fred J. ...CPA
 Kaplan, Philip ...CBM
 Wait, Justin F. ...CMB
- Trenton**
 Eikenberry, W.L. ...GO
 Fischel, K.P. ...CNPK
 Focht, Louis ...MC
 Forer, Robert ...N
 Johannesson, S. ...M
 Kummel, H.B. ...E
- Trenton, Cont'd.**
 Lauterhahn, O. ...MAE
 Poole, Miss G.E. ...IQ
 Potter, Ellen C. ...KIN
 Rex, Edgar G. ...GO
 Robinson, Aaron ...NFC
 Russell, J.E. ...O
 Schmitt, J.B. ...F
 Shaffer, E.L. ...NFC
 Shoemaker, Mrs. L.M. ...O
 Shoemaker, M.B. ...OGF
 Troxel, S.M. ...CBO
 von Stanley, E. ...NpCB
- Union**
 Trickey, P.H. ...MAB
- Union City**
 D'Acerno, P. ...NK
 McCarthy, J.D. ...FGO
 Pfaffhausen, A.C. ...M
 Witzig, Mrs. F. ...FGH
- Upper Montclair**
 Ballentine, Robert FC
 Campbell, G.A. ...ABM
 Chesnut, Roy W. ...MB
 Davis, D.R. ...ABC
 Finley, Chas. W. ...QFG
 Hadley, C.E. ...F
 McLachlan, R.W. ...CB
 Merckel, F.G. ...M
 Osborne, H.S. ...MBO
 Reed, Rufus D. ...CG
 Schicks, G.C. ...NpCC
 Silver, A.E. ...M
 Turner, A.B. ...AD
 Walther, Miss J.P. ...G
 Wheeler, H.J. ...COE
- Ventnor**
 Langfeld, C.M. ...ADM
 Myers, Frank J. ...F
- Vincetown**
 Foster, A. Alfred ...OG
- Vineland**
 Doll, Edgar A. ...QIN
 Greene, J.F. ...CMN
 Johnstone, E.R. ...IKQ
- Washington**
 Cheney, E.W. ...BC
 Schlink, F.J. ...BM
- Weehawken**
 Keuffel, Carl W. ...BM
- West Englewood**
 Kennedy, W.D. ...MBE
 Tradup, Albert ...MBQ
- Westfield**
 Atkinson, R.W. ...MBA
 Berastegui, H. ...M
 Brophy, D.H. ...C
 Carlisle, J.M. ...NPC
 Drushel, J.A. ...GO
 Fenton, W.M. ...CMN
 Foster, Ronald M. ...A
 Gray, A.W. ...BMN
 Howland, C.F. ...N
 Lowenheim, F.A. ...CN
 Milligan, C.H. ...CO
 Rossbacher, H.J. ...CB
 Sosman, R.B. ...CBE
 Waltz, A. ...C
- West New York**
 Oleri, Frank J. ...M
- West Orange**
 Edison, T.M. ...BAC
 Goulden, H. De W. ...CN
 Hughes, Mrs. M.M.E. ...
 Merriam, H.F. ...BCG
 Speiden, Norman R. FN
- Whitesbog**
 White, Miss E.C. ...OG
- Woodbine**
 Botwinick, I.H. ...NOF
 Rosen, Harry ...BAC
- Woodbridge**
 Humphrey, T.Z. ...MCB
 McLellan, Roy D. EDC
- Woodbury**
 Francis, Alfred W. ...C
 Horsch, W.G. ...CB
- Woodbury Heights**
 Lancaster, F.R. ...GOF
- Woodcliff Lake**
 Williams, Anna W. ...N
- Woodstown**
 Calcott, W.S. ...C
- Wyckoff**
 Ennis, William D. ...M

NEW MEXICO

- Albuquerque**
 Aberle, S.B.D. ...HNF
 Bell, Willis H. ...G
 Brand, Donald D. ...EH
 Castetter, E.F. ...FGH
 Clark, John D. ...C
 Compton, L.V. ...FGL
 DuBois, F.H. ...I
 Gibson, LeRoy ...C
 Goodding, Miss C.O. ...GFK
 Goodding, L.N. ...GOO
 Grove, Alvin ...GFO
 Haught, B.F. ...I
 Hill, W.W. ...H
 Hume, W.II. ...MBA
 Hutchings, T.B. ...CO
 Kelley, Vincent C. EBC
 Kiech, Veon C. ...CF
 Knode, Jay C. ...QTD
- Albuquerque, Cont'd.**
 Long, W.H. ...G
 Moulton, Earl L. ...KNL
 Newson, C.V. ...ADB
 Peterson, Geo. M. ...I
 Pooler, Frank C.W. ...FG
 Randles, Quincy ...EG
 Reiche, Parry ...E
 Scott, James R. ...NQE
 Taylor, G.C. Jr. ...EBC
 Theis, Chas. V. ...E
 Turley, Jay ...MEK
 Workman, E.J. ...B
- Artesia**
 Horton, Nolan ...CPO
- Caprock**
 Walter, Charles, Jr. ...E
- Carlsbad**
 Burnet, R.M.P. ...HE
- Fort Wingate**
 Blunn, Cecil T. ...FNO
 Grandstaff, J.O. ...OCA
- Las Cruces**
 Freudenthal, L.E. ...GO
 Gerber, C.W. ...N
 McBride, R.E. ...N
 Robbins, D.S. ...BA
- Las Vegas**
 Emerson, Fred W. ...GF
 Kaser, Margaret ...NC
 Muench, Oscar B. CBA
 Rodgers, T.G. ...A
- Mesilla Park**
 Artschwager, E. ...FG
 Smith, Howard O. ...C
- Portales**
 Fleck, Martin W. ...FGA
 MacKay, Roy ...ABN
- Roswell**
 Galloway, D.H. ...EFL
 Goddard, R.H. ...B
 Roubush, W.C. BAM
 Smith, John E. ...B
- Santa Fe**
 Chapman, K.M. ...HK
 Fisher, Reginald G. ...H
 Hay, J.L. ...MEA
 Hewett, E.L. ...HQ

Santa Fe, Cont'd.

McDougall, W.B. ... G
 Mekeel, H.S. HK
 Mera, Harry P. HN
 Nusbaum, Deric. HEN
 Nusbaum, Jesse L. H
 Reed, Erik K. HL
 Stallings, W.S., Jr. HEG
 Walter, Paul A.F. ... H

Santa Rita

Gleason, P.R. ... CME

Silver City

Harlan, John C. ... FGN
 Jose, Paul D. DAB
 Miller, W.B. G
 Schmitt, Harrison. EM

Socorro

Needham, C.E. ... EMO
 Talmage, S.B. ... EMO
 Thompson, M.L. E

State College

Addington, L.H. .OFC
 Anderson, M.G. F
 Botkin, C.W. CE
 Branson, J.W. ... ADB
 Lantz, Miss E.M. .NFC
 Shires, Luke B. CB
 Stremman, G.N. GO
 Watkins, W.E. ... CNO

Taos

Roberts, E.D.G. .GKO

Tucumcari

Karlsruher, C.D. .CPM

Tyrone

Moore, Alfred F. .DBE

Ute Park

Cook, M.A. M

NEW YORK**Adams**

Bond, Austin D. FQ

Addison

Auringer, H.E. N

Albany

Adams, Charles C. .FK
 Adams, W. Lloyd ... Np
 Alexander, F. ... NpDL
 Beik, A.K. IO
 Boss, Benjamin ... D
 Brown, Rachel ... NC
 Cameron, D.E. ... NIK
 Corning, Erastus NIH
 Cox, Charles ... MNC
 Coxe, W.W. QI
 Craig, Wallace ... FI
 Decker, Fred J. ... QIK
 DePorte, J.V. ... KNA
 Douglas, Miss G.E. .G
 Frankel, E.T. ... APK
 Gilbert, Ruth ... N
 Glasgow, Robert D. .F
 Glasgow, Mrs. R.D. AF
 Goldring, W. EFG
 Graves, F.P. O
 Hale, Clarence F. ... B
 Hendry, Miss J.L. NC
 Himwich, Harold E. Np
 Huber, Wolfgang CNB
 Kirkbride, Miss M.B. N
 Knudson, Arthur .CN
 Langmuir, A.D. ... NK
 Lawrence, C.A. NC
 Levin, M.L. N
 Lindgren, G.S. B
 McIntyre, H.L. ... GO
 Maltaner, Frank ... N
 Malzberg, B. KHI
 Morris, E.H. IO
 Morrison, J. Cayce ... O
 Muschel, Louis H. NCO
 Neuman, Leo Handel N
 Newland, David H. .E
 Ordway, Thomas ... N
 Pangborn, M.C. .CNF
 Pollock, H.M. KN
 Power, C.E. BQA
 Puetzer, Bruno ... CN
 Raymond, H. D
 Rice, Christine E. ... N
 Rooney, James F. ... N
 Roy, Arthur J. D
 Rudolf, Nathan ... NCI
 Ruedemann, R. E
 Rutstein, David D. .N
 Schleifstein, J. ... N
 Schwartz, F.W. C
 Schwind, Joseph L. .FN
 Silverman, Sidney .ON
 Stoner, Dayton ... F
 Thompson, W.R. .ACF
 Vander Veer, E.A. ... N
 Wadsworth, A.B. ... N
 Welch, C. Stuart ... N

Albany, Cont'd.

Wheeler, Miss M.W. NFG
 Whitney, Mrs. E.G. GE
 Williams, W.J. ... MB
 Winne, C.K., Jr. ... N
 Wolfe, J.M. N
 Wright, A.W. N
 Zettler, W.I. L

Alfred

Amberg, C.R. MCE
 Burdick, H.O. FN
 Lund, Everett E. ... FN
 Polan, L.R. AB
 Potter, C.M. ... BAM
 Ross, F.W. EGD
 Saunders, Paul C. ... C
 Scholes, Samuel R. CM
 Seidlin, Joseph ... AQ
 Watson, Lloyd R. .FC
 Whitford, A.E. ... ABD

Amagansett

Bell, D.M. NC

Amenia

Ewing, Gifford C. .OF

Amsterdam

Semroth, K.H. N

Annadale

Schleich, Hans CN

Annadale-on-Hudson

Fuller, Edward C. .CO
 Obreshkove, V. F
 Sottery, C.T. CQ

Aqueduct

Gellot, E.A. L

Ardley on Hudson

Eddison, W. Barton .M
 Sonntag, J.K. N
 Waring, M. Le C. ... M

Argyle

Kern, Edward F. .MCB

Astoria

Hala, William W. ... N
 Runge, Miss A.G. .QGF
 Siegel, Charles ... Nd
 Tauber, Henry ... CNF

Attica

Finger, Frank W. .IKG

Auburn

Cooke, Harte M

Aurora

Gaehr, Paul F. B
 Hollcroft, Temple R. .A
 Hyde, Elizabeth C
 McMullen, Eleanor C. FGN
 Young, Miss P.A. C

Babylon

Chitwood, B.G. ... FGO

Bainbridge

Bender, R.C. CN
 Hanford, Zaida M. ... C
 Myers, W.S. C

Baldwin

Clo, J. Harry BM
 Grove, C.C. AKQ
 Stevens, R.A. CNO

Barneveld

Jackson, Ralph C. ... F

Barrytown

Chapman, Conrad ... L

Batavia

Bowen, Miss A.C. IQD
 Johnson, W.D. N

Bayport

Grunwald, Kurt ... MO

Bay Shore

Evans, R.L. C
 Lawrence, M.W. N

Bayside

Crozier, Miss A.J. FGO
 Mackey, Miss A.D. QN

Bay Terrace

Metcalfe, Mrs. Zaida QIK

Beacon

Atwell, Harold V. CKO
 Becker, Harry C. ... C
 Goldsby, A.R. ... CBK
 McIlwraith, C.G. ... B
 Moreno, Jacob L. .IKN
 Weaver, L.H.A. .IKM

Bedford

Marble, Miss Delia W. GO
 Ogilvie, Ida Helen EOF

Bedford Hills

Margulis, A.E. NA
 Pinner, Max N
 Trowbridge, E.K. AEB

Beechhurst

Berger, Miss E.G. ... AD
 Berger, Miss N.M. .AE

Belmont

Willets, E.A. IQ

Binghamton

Dyer, Frank M. ... KNL
 Schmidt, Willy A. ... CB
 Wood, A.E. EFH

Bloomfield

Stragnell, Gregory .N

Bluff Point

St. John, Robert P. ... G

Bowmansville

MacArthur, C.G. ... CN

Brentwood

Brussel, James A. ... NI

Broadalbin

Chalmers, Arthur A. .

Brockport

Cummings, M.C. ... KQ

Bronx

Darkenwald, G.G. EKL

Bronxville

Atwater, R.M. N
 Birdsall, A.G. M
 Bryant, L.S. INQ
 Byrnes, C.P. BCI
 Clapp, F.G. EM
 Elliot, A.H. MBC
 Foot, N.C. N
 Holliday, H. NdB
 Johnson, Martha .NCF
 Kirby, Frank E. M
 McLean, F.T. G
 Osborn, Ralph FG
 Schairer, Otto S. ... M
 Smith, Miss L.D. ... N
 Wheat, Frank M. F
 Whitford, Harry N. GO

Brookhaven

Soper, George A. M

Brooklyn

Abrahamson, E.M. NCB
 Adams, Theodore F
 Altamura, Mario ... C
 Ammerman, C.P. CGM
 Andersen, A.G.H. MBC
 Atlas, Meyer F
 Austin, Frederick J. .C
 Babbott, Frank L. .N

Brooklyn, Cont'd

Barclay, Margaret E. GFO
 Beam, Miss Rachel GO
 Beard, L. C., Jr. CB
 Beatty, Jacob S. NC
 Bell, J. Carleton IO
 Benedict, Ralph C. FG
 Berry, William J. AQ
 Blake, Edwin M. AII
 Blechman, Elias ON
 Boyer, Carl B. AL
 Bridgman, R. P. OIK
 Browning, W. NLI
 Brunjes, Austin S. CM
 Bullwinkel, J. T. M
 Bunin, Joseph J. N
 Burn, C. G. NF
 Bushnell, Horace C. M
 Caldwell, B. P. C
 Cardwell, J. C. NpHF
 Cheney, R. H. GNF
 Chisdes, Meyer CMN
 Claussen, E. CBD
 Cleland, W. W. KI
 Cohen, Lester NC
 Collens, W. S. N
 Corlis, Edwin F. C
 Currie, James N. C
 Daffose, Sister M. BO
 Darrow, R. C. MKA
 Davidoff, Leo M. N
 De Silver, Mrs. M. N
 Dessotnekoft, N. OIA
 Douglass, George C. Nd
 Douglas, Mrs. M. G. N
 Dow, Miss B. McL. GF
 Eggert, Arnold H. NC
 Ehrlich, D. E. N
 Ekroth, C. V. CBO
 Ellickson, Raymond B
 Etelman, Harry L. C
 Fairchild, C. O. BAM
 Fangemann, W. H. ABM
 Farrell, Elliston N
 Fein, M. J. N
 Felton, Joseph CIE
 Fetter, Dorothy NpC
 Fibel, Lewis R. C
 Field, Crosby M
 Fink, Harold N
 Finlay, A. CNG
 Fish, J. B. F
 Fleisher, Edward A
 Friedman, J. S. CAB
 Gager, C. Stuart G
 Gardner, W. H. C
 Gaul, Albro Tilton FG
 Germann, G. B. O
 Gilbert, Jeanne G. INH
 Girden, Edward I
 Glusker, David N
 Goerner, Alfred N
 Goetsch, Arthur NO
 Goetsch, Emil NK
 Goldberg, Samuel D. C
 Goldstein, Harry IO
 Goldstein, M. GFN
 Goodrich, E. P. GO
 Graves, Arthur H. GO
 Grayzel, D. M. CFN
 Greenberg, I. COB
 Greene, Carl H. N
 Greene, M. B. NMB
 Greenfield, S. S. GFO
 Greenspan, A. CBE
 Gundersen, Alfred GL
 Gus, Charles E. MQB
 Hagar, Stansbury HD
 Hamlen, T. W. O
 Harkin, D. C. A
 Hartwell, Fred W. FG

Brooklyn, Cont'd.

Hausmann, E. BMQ
 Hecht, I. S. OIK
 Hiers, G. O. BCM
 Higgins, Tracy N
 Hovgaard, W. MAE
 Hughton, Arthur O
 Hurd, Egbert S. C
 Hutton, S. E. FG
 Idelson, M. N. MQB
 Inman, Charles G. NFG
 Jacobi, Mendel NFK
 Jacobs, Morris B. COQ
 Jacobson, A. C. N
 Jaffe, D. L. MAB
 James, William L. N
 Jennings, A. S. PMB
 Jewett, William A. N
 Jordan, Stroud C
 Kane, J. H. C
 Katzell, R. A. INO
 Katzman, J. MBK
 Kepke, John LMH
 Kirk, R. E. CMO
 Kleeman, Irving CNF
 Koch, Adolph M. IQN
 Koch, E. H., Jr. AIQ
 Kolk, Miss L. A. G
 Koster, Harry N
 Kramer, Benjamin N
 Larsen, Thorstein B
 Law, F. H. ODE
 Lefkowitz, Mrs. C. M
 Lenfest, B. A. MOI
 Lesser, Milton FGN
 Lesser, Milton A. CN
 Levi, Solomon MAB
 Lieber, Mrs. L. R. A
 Liphshitz, I. N. MKB
 Liva, Henry BMC
 Lloyd, Ralph BN
 Lockwood, C. W. BO
 Lowan, A. N. AB
 Mais, Walter H. C
 Marion, Stephen P. CO
 Mark, Herman C
 Mark, Jacob M
 Martin, Earl A. F
 Masterson, Teresa C
 Meisel, Max L
 Merriman, Mabel L. G
 Messer, H. M. FGN
 Meyer, Martin COB
 Mock, F. C. MBQ
 Monte-Bovi, A. J. CNpO
 Morgan, T. C. MEN
 Morra, Ernest NpCG
 Morrison, Nathan AKI
 Moser, William N
 Murray, R. T. K. B
 Nagler, Harold FG
 Natelson, Samuel C
 Nehrbas, Anton B
 Nesmith, James, II. M
 Nies, Miss A. W. CNE
 Nitarady, F. W. CN
 Ohly, J. H. NBD
 Olesen, F. A. NQI
 Oliver, Jean N
 Oliver, W. W. N
 O'Neil, T. J. W. B
 Othmer, D. E. CMP
 Paoillo, C. H. CBN
 Papa, Domenick CMN
 Parodneck, Mrs. C. B. N
 Parsegian, V. L. BMN
 Paynter, R. H. I
 Pease, Miss D. G
 Plotz, Milton N
 Powers, A. J. OC
 Quam, G. N. C
 Rakieten, M. L. NCG

Brooklyn, Cont'd.

Rambo, J. C. C
 Rand, C. L. BCD
 Ray, G. B. NpC
 Read, H. A. NpOC
 Reed, G. M. G
 Rejall, A. E. IO
 Reynolds, S. R. M. N
 Rider, L. A. OFG
 Riedel, J. C. MQB
 Robbert, F. W. K
 Roehl, C. E. M
 Rogeis, H. S. MQ
 Rose, L. G. BDC
 Rusk, H. M. G
 Russell, G. P. CBO
 Ryan, T. J. DBE
 Sabetta, Victor CBN
 Saidla, L. E. A. L
 Salkind, Charles OAI
 Samorodin, A. J. FNI
 Sands, I. J. NIK
 Sattler, Louis CBN
 Schattner, Fred CN
 Schechter, Frank FG
 Schenberg, S. CBO
 Schlockow, Oswald A
 Schwartz, Emanuel N
 Sherman, J. V. KCB
 Sherry, B. J. B
 Shorr, Miss Rose AIQ
 Sigler, L. H. N
 Simons, Mrs. R. GH
 Smith, G. B. L. C
 Snell, C. A. CM
 Snell, F. D. CM
 Solomon, Charles NQI
 Staber, Miss M. J. O
 Steel, Matthew CN
 Steinhart, E. FOG
 Steinholtz, S. NCK
 Stern, A. W. B
 Strahl, M. I. B
 Svenson, H. K. G
 Swahn, Harold ECO
 Sygoda, David OFG
 Tabor, Florence S. CNO
 Temple, W. J. IB
 Theroux, E. G. BM
 Tobin, Elise C
 Towl, F. M. M
 Tulgan, Joseph N
 Tulloch, G. S. FN
 Tutthill, Miss D. P. GF
 Uhlig, E. C. C
 Utter, Miss E. FG
 Utter, L. G. GO
 Wachtel, I. J. FINp
 Walcott, G. D. N
 Waldron, J. L. MO
 Waterman, W. C. KO
 Weathers, C. L. FG
 Weber, Ernst BMA
 Weber, F. L. C
 Weinberger, H. CN
 Weinrich, M. F. BDM
 Weinstein, Fred F
 Wells, Miss H. M. FGO
 Whitmore, W. F. CBN
 Whittlesey, W. N. G
 Wiedman, G. ABC
 Wiener, A. S. NFA
 Williams, S. B. MBI
 Wisch, Richard NI
 Wolfe, Jack ABO
 Wood, A. B. IOK
 Wortis, Joseph NHK
 Wunderlich, F. W. BN
 Zahnd, Hugo CNB
 Zuckerman, George ..

Buffalo

Aaron, A. H. N
 Atwell, W. J. NF

Buffalo, Cont'd.

Austin, T. S. F
 Beck, G. M. NI
 Bierbaum, C. H. MCB
 Bialauw, E. E. C
 Blackmer, J. L. DEG
 Capen, S. P. MQ
 Cartledge, G. H. C
 Crowdie, J. H. CNO
 Cutting, Fulton MB
 Dawsey, L. H. COM
 Dolley, W. L., Jr. F
 Edwards, J. G. N
 Elliott, R. C. FGH
 Eschelman, K. F. N
 Freyer, E. B. C
 Frisch, J. A. C
 Gehman, H. M. A
 Gemmill, Mrs. A. M. OCE
 Gilmore, L. N. CNO
 Griffith, R. J., Jr. NF
 Hamlin, C. J. B
 Hector, L. G. B
 Hewitt, H. G. QC
 Holl, F. J. F
 Hooff, F. V. CNM
 Hubbard, R. S. CNp
 Hudson, Miss L. CNB
 Hummel, L. E. NpC
 Humphrey, R. R. NF
 Jacobs, W. F. N
 Kelly, Wm. M
 Kleizien, S. W. CN
 Koch, E. W. Np
 Kolkmeier, E. J. B
 Kumro, D. M. CO
 Lang, H. B. N
 Lester, O. P. IKO
 Levitt, Abel N
 Lockwood, J. E. NC
 McGinnis, Miss E. QI
 Meyers, C. H. C
 Mohr, C. E. FG
 Moore, E. J. B
 Mundt, C. H. M
 Ott, H. N. F
 Podolin, Mathew Nd
 Pollard, J. D. C
 Prentiss, S. S. CB
 Rainey, C. C. CNE
 Reeves, J. R. ECM
 Richards, O. W. FNG
 Richter, Julius N
 Schoen, Z. J. IN
 Schwabe, E. L. NpC
 Schwarzman, A. C
 Scofield, C. F. I
 Shadle, A. R. F
 Sharp, E. A. N
 Silverman, S. B
 Simpson, B. T. NpC
 Smith, C. F., Jr. CP
 Stephensen, B. R. BNA
 Strange, W. W. MNO
 Tressler, W. L. F
 Vail, C. A. COB
 Vaughan, S. L. N
 Volgenau, R. H. NpC
 Wiedemann, H. M. ABC

Witebsky, Ernest N
 Youngburg, G. E. CNB

Camillus

Skog, E. K. C

Canajoharie

Watson, V. K. CNO

Canandaigua

Kirkham, S. D.

- Canton**
Priest, W.C. BLM
Carmel
Donohoe, J.P. K
Hansen, A.O. QHK
Cazenovia
Chard, W.G. OKQ
Chappaqua
Clum, H.H. G
Clifton Springs
Eikner, W.C. N
Karr, J.W. N
Munford, Samuel NI
Newland, P.V.D. N
Taylor, A.S. N
Clinton
Butcher, E.O. FN
Cameron, G.H. B
Carruth, W.M. A
Dale, N.C. E
Fitch, Mrs. A.L.M. AD
Hess, W.N. F
Patterson, B.C. A
Patton, F.L. K
Rogers, P.V. FN
Saunders, A.P. C
Cohocton
Stanton, W.D. M
Cohoes
Scotland, M.B. FHQ
Cold Spring Harbor
Bates, R.W. FNC
Bergner, Miss A.D. FG
Blakeslee, A.F. GI
Brehme, Miss K.S. FG
Burks, B.S. FIK
Davenport, C.B. FHG
Demerec, M. FG
Kaufmann, B.P. FG
Lahr, E.L. FOO
MacDowell, Mrs. C.G. F
MacDowell, E.C. F
Potter, J.S. FG
Riddle, Oscar FNC
Satina, Miss Sophia G
Steggerda, M. FHI
Warmke, H.E. GF
Cold Water
Zobel, C.G.F. BM
Cooperstown
Ayer, Darrell N
Kydd, D.M. N
McIver, M.A. N
Mackenzie, G.M. N
Sheriff, W.S. IQK
Corning
Carder, Frederick CM
Cole, Miss L.M. GF
Gage, H.P. B
Guyer, E.M. BCM
Hodd, H.P. CM
Hyde, J.F. C
Lewis, E.J. B
Littleton, J.T. B
McLachlan, D., Jr. CBA
Sullivan, E.C. CB
Taylor, Wm. C. C
Cornwall on the Hudson
Pagenstecher, Miss B. OGE
Tryon, H.F. OGE
Corona
Panuska, F.C. QM
Cortland
Tunison, A.V. CFO
Crestwood
Conroy, P.J. CNpO
Pendray, G.E. DBM
Crompond
Kalcik, V.V. FCB
Croton on Hudson
Goldsborough, J.B.
Snyder, O.C. N
Crown Point
Henderson, R. AK
Delmar
Albrecht, S. D
Earp, J.R. NKQ
Thomson, W.M. N
DeWitt
Henderson, C.W. ABM
Douglaston
Gilbert, J.J. BM
Lee, R.E. C
Dryden
Stelle, Ruth, S. N
East Amherst
Langley, W.D. C
East Aurora
Lyford, C.A. CEO
Masters, C.L. AMK
East Hampton
Helmuth, W.T., III FNG
East Rochester
Baker, E.L. C
East Williston
Cragwall, G.O. CBD
Elba
Felix, E.L. G
Elmhurst
Black, H.S. MBA
Day, Miss C.E. FGO
Hewins, Nellie P. FGO
Marberg, C.M. C
Perlmutter, Alfred F
Starrs, B.A. CBF
Elmira
Avery, Miss E.C. NC
Lewis, R.T. CM
Orbison, Agnes M. F
Suffa, Mary C. A
West, J.B. N
Whittaker, E.L. N
Elmsford
Kranz, F.W. MB
Endicott
Briggs, G.B. MQ
Farmingdale
Peters, C.A. CGO
Far Rockaway
Howland, L.A. M
Tendler, A.D. I
Fishkill
Peters, I.L. K
Floral Park
Arnold, H.C.F. NpCM
Dawson, J.A. F
Keegan, E.J. F
Puorro, Michael FGI
Flushing
Anastasi, Anne I
Carns, S.S. A
Cope, T.F. A
Count, E.W. HF
Fletcher, Harvey BIM
Gilman, R.L.F. ABD
Glancy, Miss E. F
Hahn, C.W. FNO
Harrington, G.T. QIG
Hicks, Victor B
Horn, A.E. C
Huettner, A.F. F
Hunter, Fenley EF
Kirkpatrick, D.E. BCA
Klapper, Paul Q
Klein, E.N.E. CG
Lancefield, D.E. F
McNeill, Harry IKN
Mann, Mary L. QF
Mathewson, C.A. OF
Meyer, A.E. CNI
Oakes, M.E. FO
O'Gorman, J.M. I
Ruckes, Herbert FG
Sabin, A.H. C
Spragg, S.D.S. INK
Swenson, H.N. BCD
Thomas, J.S. NHK
VonGrimm, A. FGO
Weiss, Harry NGB
Wolf, W.H. Q
Young, C.B.F. CM
Young, Kimball HIK
Fordham
Schaefer, F.A. IK
Forest Hills
Beazell, W.P.
Gramet, C.A. NO
Lacaille, C.W. FN
LePage, C.B. M
Lowell, A.M. NK
MacNeal, W.J. NO
Paltsits, V.H. HKL
vanderMerwe, C.W. B
Forest Hills West
Loop, Mrs. A.S. NQ
Fredonia
Gladwin, F.E. GO
Holaday, B.E. I
Stanley, W.F. FQ
Freeport
Evans, Miss C.L. H
Evans, Mrs. G.S. H
Evans, T.H. HN
Fulton
Osborne, Miss M.E. F
Garden City
Anderson, Miss C.E. GF
Bergen, C. QBD
Coffin, J.G. ABM
David, J.A. BD
Ellis, Lillian N. C
Hayes, F.T.
Mosher, Miss E. F
Garrison
Beckwith, E.P. CM
Cattell, J. McKeen I
Cattell, Mrs. J. McK. I
Fotopoulos, Miss M. Q
Geneseo
Wadsworth, Mrs. W.A.
Geneva
Bancroft, G.I.L. B
Boswell, F.P. III
Breed, R.S. GO
Bryant, J.C. OEC
Bullard, Ralph C
Chapman, P.J. F
Conn, H.J. OGF
Daniel, D.M. FG
Durfee, W.H. A
Glasgow, Hugh F
Gloyer, W.O. GOC
Hamilton, J.M. GCO
Hartzell, F.Z. FGC
Haussmann, A.C. BAC
Howe, G.H. GGO
Lockett, J.D. OOK
Munn, M.T. OF
Nebel, B.R. GOF
Oberle, G.D. OGF
Odell, T.T. FG
Parrott, P.J. OF
Reinking, O.A. GO
Schulz, E.R. OC
Slate, George OG
Spangler, J.A. NBC
Stewart, F.C. G
Tuke, H.B. OG
Wellington, E. OG
Woodbridge, Miss M.E. OG
Ghent
Reeds, C.A. E
Glens Falls
Woodford, Miss I. QED
Gloversville
Malone, James CBA
Great Neck
Atterbury, Mrs. B. N
Case, N.P. BMD
Mayer, L.K. K
Morris, W.C. M
Morrison, C.E. MP
Steiner, Mrs. E.R. FGC
Greenport
Wood, R.H. MN
Greenwood
Redmond, W.R. BDE
Halesite
Hoopingarner, N.L. I
Hamburg
Tornow, W.H. CNO
Hamilton
Allen, J.S. DAB
Bancroft, Mrs. E.C. GFN
Berkey, D.K. BCN
Chester, W.M. CF
Langworthy, W.F. GF
Myers, R.J. FG
Roberts, R.C. C
Rogers, H.W. CO
Root, T.B. E
Smith, R.B. C
Wood, A.E. CQB
Woodruff, J.G. E

Hampton Bays

Manchester, J.G.E

Harrison

Parsons, Elsie C.H

Hartsdale

Edwards, G.W.K

Engelhardt, G.P.F

Hastings on Hudson

Langmuir, A.C.C

Laufer, P.G.C

Sawyer, W.A.N

Schwarze, C.T.M

Wender, LouisN

Wiard, Miss E.M.EOF

Wilcoxon, FrankCG

Hempstead

Bosce, R.A.CN

Old, M.C.F

Schilling, FrankK

Zurett, Miss S.N

Hornell

Paaswell, George ABM

Houghton

Burnell, Miss D.CN

Hudson

Brown, L.S.E

Hunter

Rodier, D.NKII

Huntington

Banker, H.J.G

Horton, R.E.CIO

Martin, NewellE

Parry, EleanorNHE

Sargent, NoelN

Huntington Station

Jamer, Miss T.M.FG

Irrington

Speranza, Mrs. G.N

Ithaca

Agnew, R.P.A

Altmann, Margaret F.E

Anderson, A.L.E

Asdell, S.A.NOH

Babiy, P.P.F

Bailey, L.H.GO

Barnes, F.A.MQK

Barnes, L.R.L.BFN

Barron, J.H.OQE

Barrus, M.F.GO

Bentley, M.I

Berger, C.E.IHN

Betten, C.FQO

Blodgett, F.M.G

Bolton, F.L.M

Boothroyd, S.L.DB

Bradfield, R.OCG

Bradley, J.C.F

Brand, A.J.F

Brooks, J.S.G

Bruce, W.F.CNB

Bruckner, J.H.OF

Buckman, H.O.GO

Buckholder, W.H.G

Burnham, S.H.C

Burrell, A.B.GO

Busell, F.F.GO

Butt, F.H.F

Canon, Miss Helen K.K

Chapman, J.E.OQC

Chupp, CharlesG

Clausen, R.T.G

Collins, D.L.F

Ithaca, Cont'd.

Collins, J.R.B

Cornell, W.R.MQ

Cottrell, C.L.BFG

Cottrell, L.S., Jr.KI

Curtis, O.F.CO

Curtis, RalphO

Dallenbach, K.M.HI

Davis, A.C.MPO

Day, E.E.K

Decker, PharesG

Dietrich, HenryF

Dimock, A.W.GO

Dounce, A.L.CN

Dukes, H.H.N

Dutcher, J.D.CN

Dye, J.A.N

Eames, A.J.G

Ellenwood, F.O.BCM

Ellis, G.H.CO

Emerson, R.A.G

Evans, JennetteN

Fenton, FaithCO

Ferguson, Miss J.NO

Fernow, K.H.QK

Ferriss, E.N.G

Fitzpatrick, H.M.G

Flexner, W.W.A

Fogelsanger, A.BAE

Ford, E.S.G

Frampton, V.L.BCG

Fraser, A.C.GF

Freeman, F.S.QI

Gage, S.H.F

Geer, W.C.BC

Georgia, F.R.CN

Gibbs, R.C.B

Grantham, G.E.BM

Graswald, Miss G.H.F

Guise, C.H.O

Gunsalus, I.C.OCN

Guterman, C.E.F.G

Guthrie, E.S.OQC

Hagan, W.A.NO

Hall, G.O.FO

Hamilton, W.J., Jr.FN

Hland, D.B.C

Hardenburg, E.V.GO

Harris, G.D.E

Hathaway, M.L.CN

Hauck, Hazel M.NC

Hayden, C.E.N

Heinicke, A.J.GO

Herrick, G.W.F

Heuser, G.F.OFO

Hildebrand, E.M.GO

Hinman, Robert FHO

Hoard, J.L.CB

Hodson, A.Z.CFO

Hollister, S.C.M

Hopkins, G.S.F

Hosmer, R.S.KGO

Howe, H.E.B

Huggler, G.C.M

Hurwitz, W.A.ABM

Hutt, F.B.FO

James, W.T.IF

Johannsen, O.A.F

Johnson, P.G.QIC

Jordan, R.H.QEI

Kennard, E.H.B

Kimball, D.S.M

Kingsbury, B.F.N

Knaysi, Georges NCG

Kreiser, G.L.IFN

Krukowsky, V.N.C

Kruse, F.J.IO

Ladd, C.E.O

Lamoureux, W.F.FNO

Laubengayer, R.A.G

Lauman, G.N.OKL

Leland, E.W.O

Liddell, H.S.NI

Ithaca, Cont'd.

Livermore, J.R.OG

Loughridge, G.A.G

Love, H.H.GA

Lynch, JamesMC

McCay, C.M.CFN

MacDaniels, L.H.GO

Massey, L.M.G

Matheson, Robert FN

Maynard, L.A.OC

Mekeel, Amy G.F

Merriam, C.W.E

Merritt, ErnestB

Milks, H.J.NCF

Miller, E.A.A

Miller, Philip A.N

Mills, W.R.G

Moore, C.B.QI

Moore, N.S.N

Morrison, F.B.OC

Mottley, C.M.C.FG

Muenscher, W.C.G

Murdoch, C.C.B

Murray, ElsieIHO

Murray, M.J.GF

Myers, C.H.GO

Needham, J.G.F

Nevin, C.M.E

Nevin, F.R.FGN

Newhall, A.G.GOF

Norris, L.C.NCO

Northup, C.S.LHD

Ogden, R.M.IO

Palmer, E.L.FGO

Palmer, K.V.E

Papez, J.W.FHI

Parker, K.G.GOF

Patton, Robert FCO

Personius, Catherine C

Petry, Loren C.G

Pfund, Miss M.C.COO

Phillips, E.F.F

Plakidas, A.G.GO

Rahn, OttoCGO

Raleigh, G.J.OGC

Randolph, L.F.G

Raney, E.C.F

Readio, P.A.F

Reddick, DonaldG

Ries, HeinrichE

Rose, FloraK

Sanderson, D.HKO

Schoder, E.W.M

Senning, W.C.F

Serviss, G.H.O

Shafer, J.J., Jr.GO

Sharp, L.W.G

Sharp, P.F.C

Shaw, R.W.DBA

Sheldon, P.G.E

Sherman, J.M.NOF

Smiley, D.F.N

Smith, OraOG

Smith, Ruby G.FGO

Smith, S.E.OF

Sperling, Miss G.A.NCF

Stainton, W.H.BM

Staker, E.V.COG

Stark, C.N.N

Stephan, F.F.KH

Stephenson, Hadley N

Stewart, R.M.QMO

Sumner, J.B.C

Taylor, C.A., Jr.GEO

Thompson, H.C.GO

Tinker, M.B.N

Trapido, HaroldFG

Underwood, P.H.M

Van Alstine, E.OC

von Engel, O.D.E

Walker, Miss M.NGO

Wallihan, E.F.GO

Ithaca, Cont'd

Waring, G.A.E

Welch, D.S.GOF

Weld, H.P.I

Whetzel, H.H.GL

Wiegand, K.McK.G

Wiggans, R.G.GFO

Willcox, W.F.K

Wilson, B.D.O

Winsor, A.L.IOF

Work, PaulOG

Worthen, E.L.O

Wright, A.H.F

Wylie, MargaretI

Young, B.P.FG

Young, C.V.P.HFO

Young, J.P.G

Zeissig, Alexander N

Jackson Heights

Comstock, C.W. ABM

Michal, Miss B.V.FHN

Nadler, J.E.NF

Jamaica

Angrist, AlfredN

Eisman, LouisOG

Jordan, C.V.NFG

Kaletskey, Theodore Nd

Kuna, MartinI

Ludlum, C.A.EDB

McGuire, Miss Grace C

Schaffert, Roland BMC

Jamaica Estates

Schwarze, C.A.GN

Jamestown

Knudsen, O.M.C

Tourtellotte, DeeCN

Weedon, F.R.NCG

Johnson City

Bourque, J.E., Jr. FNH

Katonah

Armstrong, S.T.IN

Corlett, E.H.MEB

Keene

Alling, E.L.ABC

Kenmore

Amend, W.J.MCN

Fretz, R.M.F

Gladieux, R.J.ECG

Struve, O.I.COF

Keuka Park

Ellis, Miss H.R.G

Lougee, Miss F.M.C

Stump, N.F.QI

Kew Gardens

Cohen, J.G.QI

Thornley, R.F.MKB

Valentine, M.C.FGO

Walker, EvelynA

Kings Park

Priestman, Gordon N

Lake Placid

Bancroft, Miss J.H. N

Lakeville

Hilton, D.C.EMD

Lake Waccabuc

Camp, F.A.E

- Larchmont**
Bucky, P.B. BM
Golden, Ross N
Haskell, S.B. OG
Hymans, Frederick .. M
Mayer, R.B. KAN
Nelson, R.S. CBM
Ross, H.A. OK
White, Lazarus M
- Le Roy**
Lapp, G.W. MBC
- Lewiston**
Lacy, B.S. C
- Lindenhurst**
Pierce, Fay N. CDI
- Little Neck**
McKee, L.H. BMA
Schultes, M.F. CMA
- Long Island City**
Allan, William .. MBO
Allen, Howard .. CMN
Ashkenaz, D.M. NFI
Berman, B. MAB
Fischer, E.K. CBM
Hawk, P.B. CN
Jacobson, Miss L.E. BNO
Killian, T.J. BMA
Oser, B.L. CN
Riedman, S.R. N
Shillaber, C.P. CPB
Soff, LeRoy D. CM
Sootin, Harry QCB
Tear, J.D. B
- Loudonville**
Ingalls, M.S. N
- Lowville**
Coddington, H.G.
Pingert, F.P. C
- Maine**
Bowers, C.G. GO
- Malverne**
Ramsay, J.W. C
- Mamaroneck**
Bohmert, Miss M.T. FG
Cardarelli, E.J. C
Dake, W.M., II. M
Farrier, Clarence KBE
Hunter, Jeremiah ... E
Warren, A.K. MPB
- Manhasset**
Burnham, A.M. FG
Gentry, F.M. BCM
Hemline, H.H. MQ
Johns, Carl O. C
Lichtenberger, B. OMC
Roberts, C.S. I
Wahlert, H.E. AB
Worley, L.G. PNG
- Maspeth**
Chassin, Maurice ... N
Pryzie, J.P. BAM
Reiner-Deutsch, W. N
- Mechanicville**
Neubauer, M.J. C
- Medina**
Kennan, Mrs. G.
O'Donnell, Miss L. CON
- Middleport**
Dye, H.W. G
- Millbrook**
Foster, K.W. F
Kuser, John G
- Mill Neck**
Loening, Grover M
- Mineola**
Hewitt, Miss J.A.W. N
- Mohegan Lake**
Appar, C.S., Jr. FNK
Field, Wm. B.O. EFH
- Monroe**
Crane, A.J. EDH
- Montrose**
Hollingsworth, H.L. IO
Thorndike, E.M. B
- Moravia**
Wells, W.R. I
- Mount Kisco**
Cole, R.I. N
Slade, M.P.
- Mount McGregor**
Medlar, E.M. N
Thomson, K.J. N
- Mt. St. Vincent-on-Hudson**
O'Brien, Sister C.M. AIL
- Mount Vernon**
Feld, Jacob MAE
Felsen, Joseph N
Graff, F.W. G
Hinehine, G.W. F
Lerner, Eugene IKH
Neuner, E.F. QAB
Sherman, J.D., Jr. F
Steurer, J.A. N
Walker, M.L. N
Wetzel, R.A. AB
- Napanoch**
Harrington, M.A. NIK
- Neponsit**
Greiff, Lotti J. CQB
- Newark**
Baumgartner, E.A. N
M-Canis, O.P. GNpQ
Stuart, C.H. C
- Newark Valley**
Chidester, F.E. F
- Newburgh**
Aspinwall, John ... M
Desmond, T.C. M
- New City**
Haack, K.F.O.
- New Lebanon**
Closs, J.O.N. CNB
- New Lebanon Center**
Robert, D.R. N
- New Rochelle**
Ayer, C.F.
Bauman, Louis CN
Courant, Richard .. AB
- New Rochelle, Cont'd.**
Disbrow, C.A. M
Loewe, W.S. N
Montgomery, J.F. OGE
Rice, Mother M.B. IO
Rockig, M.D. FNH
Shoop, John E. GFN
Stevenson, H.N. N
Wertheimer, Max .. JK
- New York**
Abbott, T.J. N
Abel, T.M. I
Abrams, D.A. AM
Abramson, H.A. N
Acconci, T.F. GFO
Achilles, E.M. IO
Achilles, P.S. IKQ
Achimstein, Asher AK
Adair, F.E. NO
Adams, J.F. FG
Adams, Mrs. Thos. ... C
Adler, Leon N. C
Africano, Alfred MBD
Agnisky, B.W. HKI
Agnew, Paul G. BM
Ahearn, A.J. B
Aldrich, Mrs. Richard . O
Alexander, Carter .. Q
Alexander, J. CMB
Alexander, Max NB
Allen, Joseph AKL
Allen, R.M.C.D. C
Ambranson, J.B., Jr. . N
Anderson, A.F. N
Anderson, R.P. CM
Andrew, S.L. K
Andrews, Roy C. F
Ansbacher, H.L. IHO
Apfelbaum, P.M. CBN
Applebaum, E. Nd
Armstrong, Miss C.P. I
Armstrong, D.B. NKI
Armstrong, W.P. MBA
Arnold, H.J. QED
Arnold, J.W. MA
Aronson, M.J. KHL
Arny, H.V. CNp
Ashbrook, D.S. C
Ashe, Benjamin N
Assmuth, Joseph F
Atwater, C.G. OCI
Austin, W.E. CCI
Avery, O.T. N
Axel, Robert KIA
Ayres, Ira H. CBM
Ayres, Waldemar ... E
Babcock, Harriet IHK
Bacharach, George .. CB
Bacon, Miss A.L. F
Bacon, R.F. C
Baehr, George N
Baekeland, George .. E
Baekeland, L.H. C
Baer, Henry M. C
Bagg, H.J. FNI
Bagley, W.C. Q
Bailey, C.V. N
Bakenhus, R.E. M
Baker, G.E. GF
Baker, R.F. F
Baker, R.A. C
Bakhmeteff, B.A. M
Bakwin, Harry HN
Bakwin, R.M. HN
Ball, Albert BM
Ball, C.Olin CBG
Ballard, C.W. GNp
Bamberger, L.R. H
Banet, Mrs. S.C. GFO
Barach, A.L. N
Barban, Charles CMN
Barker, J.W. MQR
Barker, S.B. N
- New York, Cont'd.**
Barnhart, J.I.L. G
Barr, Mrs. E. DeY. AQI
Barrett, D.M. IO
Barriett, Leland Nd
Barrett, S.K. BM
Barrows, F.E. C
Barry, Frederick CLB
Basky, George .. CBM
Bartels, H.A. Nd
Barth, L.G. F
Bartlett, J.P.
Barton, H.A. B
Bashour, J.T. CN
Basseches, J.L. CB
Bateman, G.F. MQ
Bates, B.L.M.
Bauer, J.H. N
Baumeister, T., Jr. MB
Baylis, A.B. N
Beans, I.T. C
Beaver, J.J. C
Beck, A.D. QB
Becker, A.E. B
Becker, J.A. B
Becket, F.M. M
Beebe, William FED
Beers, N.R. ABM
Behrens, O.K. CN
Belcher, D.R. AK
Belchetz, A. CMB
Beiler, W.C. BDM
Benda, Miss R.F. GCO
Bendove, R.A. NLI
Benedict, Ruth GN
Benham, R.W. I
Bennett, Harry CB
Benson, C.E. IO
Benton, A.L. IO
Berens, Conrad .. NRK
Berg, B.N. N
Berg, W.N. CFN
Berger, C.A. FG
Bergmann, Max C
Berkeley, L.M. DAB
Berkey, C.P. E
Berman, Louis NIUI
Bernard, V.W. NCF
Bernheim, A.R. N
Bernstein, Felix AIH
Bernstein, Saul NFG
Beube, F.E. NdQ
Bicak, J.F. N
Bick, Edgar M. NI
Biddle, R.L. FG
Bierman, William ...
Bigelow, M.A. FGO
Bilchick, E.B. N
Biloon, Sol. N
Binder, R.M. K
Binger, Carl A.L. N
Ringer, W.D. M
Bingham, N.E. Q
Bingham, W.V. I
Bird, Junius H
Bisch, Louis E. IN
Bishop, L.F., Sr. NHK
Bishop, L.F., Jr. NO
Bittson, A. John MK
Blackwelder, R.E. F
Blackwell, O.B. MB
Blair, J.E. N
Blair, W. Reid F
Blanchard, K.C. CN
Blatherwick, N.R. CN
Bliss, C.N. K
Blodgett, Miss G. C
Blondel, Miss D.M.
Bluhm, Solomon FGE
Blum, Theodor Nd
Blumenthal, Hugo ...
Blumenthal, Sidney ..
Boardman, Bradford ..

New York, Cont'd.	New York, Cont'd.	New York, Cont'd.	New York, Cont'd.
Bodansky, Aaron . . . NC	Campbell, C.G. . . . HFK	Cowles, E.S. NI	Dunn, H.E. P
Bodansky, Oscar . . . NC	Campbell, D.G. . . . NHI	Cox, Ben.T. EM	Dunn, H.K. BD
Bode, Hendrik . . . AMB	Campbell, H.L. C	Cox, R.T. B	Dunn, L.C. F
Bodecker, C.F. . . . Ndf	Campsen, H.M., Jr. . . CB	Coykendall, F. . . . QM	Dunning, J.R. . . . BM
Bogert, M.T. C	Cannan, R.K. CN	Craig, G.S. O	Dunning, W.B. . . . N
Boggs, Mrs. E.E. . . BMC	Capecelatro, Ettore . . NC	Craig, Miss H.M. . . . L	Dunning, W.F. . . . FGN
Bohlin, H.G. ME	Carey, C.L. G	Craig, L.C. C	Dunscombe, G.E. . .
Bold, H.C. G	Cashart, Miss G.M. . . E	Cramer, Mrs. C. . . . CNB	Durlach, Mrs. T.M. . . HKJ
Bolling, Diana . . . CDF	Caip, Louis N	Crampton, C.W. . . . N	
Bolton, R.P. M	Carpenter, Arthur . . EBG	Crampton, H.E. . . . F	Duryee, W.R. F
Bond, H.J. IK	Carpenter, C.D. . . . CBA	Craver, H.W. MLC	Dushman, Sidney . . CGI
Bookman, Arthur . . . N	Carr, M.W. Nd	Crawford, M.P. . . . I	duVigneaud, V. . . . NC
Bookman, Samuel . . . CN	Carrel, Alexis N	Crew, W.H. B	Eddy, W.H. CFN
Bovarnick, Max NC	Carson, Louis MBC	Cross, O.M. GOC	Eder, Phanor J. . . .
Bowers, R.W. MBI	Casals-Ariet, J. N	Crowell, F.S. MAB	Edie, Lionel D. KN
Bowling, R. F	Casamajor, Louis . . . N	Croxton, F.E. KO	Edwards, D.J. FN
Bowman, K.M. NIO	Case, T.W. BM	Crum, H.E. EM	Eggleson, Cary N
Boyd, Mark F. N	Cattell, McKean Np	Crystal, F.M. CM	Ehrlich, J.M. CNF
Brabec, L.B. CNF	Cecil, R.L. N	Curran, C.H. F	Ehrlich, J.C. N
Braham, J.M. C	Celestine, Brother . . . FG	Cuiran, F.J. NQ	Eimer, August CM
Bramwell, G.W. M	Cerecedo, L.R. N	Currence, J.D. N	Eimer, W.R. C
Brand, Erwin CN	Chace, R.R. N	Cutlin, Leo P. CBE	Einhorn, Max N
Brandes, W.W. N	Chaikelis, A.S. NCG	Curtis, M.R. FN	Eisele, Ernest
Bratley, C.O. GC	Chamberlain, J.P. . . . K	Cutler, C.W. N	Eisenman, William . . CN
Brattain, W.H. B	Chamberlain, F.M. . . .	Daly, J.A. IQ	Eising, E.H. NB
Breder, C.M., Jr. . . . F	Chambers, Robert . . . F	Danforth, D.N. N	Elderheld, R.C. . . . CNP
Brennan, R.E. NL	Chambers, W.H. N	Daniel, A.S. N	Eldred, B.E. B
Breuner, E.C. N	Chamelin, Isidor . . . CNF	Daniels, G.E. NIH	Eltman, H.O. EF
Brescia, Frank CB	Chandler, J.P. CN	Darby, H.H. FNB	Elliot, A.W. AOI
Brickner, R.M. N	Chapman, G.H. N	Darlington, C.G. . . . N	Elliot, Louis M
Biggs, T.H. O	Chargaft, Erwin . . . NC	Darlington, Henry . . .	Elliot, S.J. MBP
Brill, A.A. NHI	Chargin, Louis N	Darlington, T. KNM	Ellwood, W.B. BM
Bristol, L.D. N	Charipper, H.A. FN	Darrach, William . . . N	Elmer, C.W. D
Briwa, K.E. C	Chase, H.W. I	Darrow, Karl K. BCD	Elsberg, C.A. N
Broadhurst, Jean . . . GN	Chase, M.W. NF	Darrow, W.E. MAK	Elser, W.J. NO
Brockbank, T.W. . . . IN	Chessin, Alex. A	Davis, C.E. MBC	Elwell, L.H. FC
Brodie, S.S. CNA	Chester, Thomas . . . MBP	Davis, Miss A.E. . . . BCQ	Elwyn, Adolph NFI
Brodnan, Henry N	Chickering, H.T. . . . N	Davis, Bergen B	Emerson, Haven NK
Brody, Henry N	Cinberg, B.L. N	Davis, H.M.	Emerson, K. Jr. NC
Brown, Aaron N	Cinelli, A.A. N	Davis, J.S., Jr. N	Emmons, Mrs. A.B. . .
Brown, Barnum EFH	Clark, Ada R. NFG	Davis, M.M. NK	English, W.J. AIO
Brown, Callaway . . . CB	Clark, C.C. BQM	Davis, Phillip HBF	Enners, G.W. CNE
Brown, F.B. CBA	Clark, E. Mabel O	Davis, Putnam	Ephron, H.S. KIH
Brown, J.I.C. IKO	Clark, H.F.	Davis, T.W. CB	Epstean, Edward K
Brown, Miss K. FGO	Clark, H.M. NF	Davison, C.J. B	Epstein, A.A. N
Brown, T.F. CM	Clarke, B.L. CB	Dawson, M.H. N	Epstein, N.I. NC
Browne, W.W. N	Clarke, H.T. CN	Dearing, A.W. C	Espenschied, Lloyd . . M
Bruce, G.M. N	Claude, Albert N	deBodo, R.C. CNp	Etkin, William F
Bruger, Maurice NC	Cleveland, Newcomb . .	deCruz, J.M. NAB	Evans, L.J.
Brunner, H.M. O	Cleworth, Miss A. . . . F	Deller, A.W. CME	Evenden, E.S. OIK
Bryan, M.deG.	Coates, C.W. FNB	Demarest, C.S. BKL	Failla, G. BCN
Bryans, Wm. MO	Cobb, Miss M.C. . . . E	Denker, P.G. NI	Fairchild, H.P. KH
Bryson, Lyman KHO	Cocheu, L.F. QN	Denno, W.J. NC	Fales, H.A. CBA
Bryson, Vernon F	Cohen, M.R. L	deSmitt, V.P. EBD	Falk, Mrs. K.G. NC
Buchanan, B.F. C	Colin, Alfred N	Detwiler, J.G. C	Falk, K.G. CNB
Buck, A.M. M	Cohn, A.E. N	Deyoe, H.L. M	Falk, M.S. M
Buck, H.W. M	Cohoe, W.P.	Dickerman, W.C. . . . M	Farinacci, N.T. CBG
Buckley, O.E. B	Colbert, E.H. EFH	Diethelm, Oskar I	Farley, Franklin CM
Buckstein, Jacob . . . N	Cole, Kenneth S. . . . BFC	Dinwiddie, Courtney .	Farmer, F.M. BM
Butt, Titus	Coles, R.R. D	Dodge, B.O. GNO	Farquhar, D.W. F
Bullock, W.E. M	Collins, Miss B.M. . . E	Dodge, C.E.	Farrere, Miss H.S. . . .
Bullowa, J.G.M.	Collins, M.L. Nd	Dodge, M.H.	Farwell, H.W. B
Bunzell, H.H. G	Collins, R.K. N	Doherty, H.L. M	Faxon, Richard F
Burgess, Louis ABC	Collyer, Norman MQ	Dooley, Parker NOI	Fay, A.H., Jr. MPO
Burk, Dean CNO	Colze, W.L. NC	Dotti, Louis NC	Federer, C.A., Jr. . . . DBA
Burke, A.W. N	Connery, J.E. N	Doubilet, Henry N	Feinberg, Benj. G. . . . C
Burke, S.P. CBA	Cook, H.H. KLM	Dow, Allan W. CM	Feldman, Aaron NC
Burns, R.M.	Cooke, R.A. NG	Dowling, R.E. K	Ferguson, J.G. BMO
Burr, E.T. INK	Cooley, J.P. B	Downes, Miss H.R. . . . CM	Ferguson, W.F.C. . . . B
Burrett, C.A. N	Coonradt, A.C. M	Downs, C.R.	Ferraro, Armando . . .
Burrow, Trigan NI	Cooper, Miss Anita . . . N	Downs, W.G., Jr. NHC	Finck, J.L. BCA
Burstein, C.L. N	Cooper, Miss L.F. . . . NCO	Draper, A.A. NHF	Fineman, Mrs. A. . . . FG
Burton, E.T. BMA	Cooper-Ellis, K.M. . . IO	Dublin, L.I. K	Fink, C.G. CB
Cahill, G.F. N	Cope, Otis M. N	duBois, Cora HI	Fink, Ira NBC
Cahn, Lester R. Nd	Copenhaver, W.M. . . . F	duBois, Phoebe L. . . . NG	Fish, Stuyvesant
Caicola, Fred MBI	Corcoran, C.A. B	Duce, J.T. E	Fishberg, Ella H. . . . NCF
Calderone, F.A. N	Coren, Bertram MBA	Dudley, H.W. M	Fisher, G.C. DGF
Caldwell, Miss M.L. . . C	Corning, H.K. N	Dugan, J.H. OGE	Fisher, Sterling O
Caldwell, W.E. N	Corscaden, J.A. N	Dunbar, Flanders NIK	Fitch, F.L. BFE
Calkins, G.N. F	Cortese, Frank C	Dunham, S.S. DBA	Fitzgerald, F.E. C
Calver, H.N. NOK	Corwin, E.H.L. NKO	Dunham, Theodore . . . N	Fitzpatrick, F.L. FO
Cameron, H. ILN	Coryell, H.N. E	Dunn, Fannie W. IQ	Flanagan, J.C. OIK
Cameron, W.S. CGB	CoTui, F.W. N	Dunn, Gano BFD	Flanders, D.A. ABD

New York, Cont'd.

Flemming, C.W. . . . IQK
 Flexner, Simon N
 Flinn, F.B. CN
 Florence, Miss L. . . . FN
 Floyd, William . . . KHE
 Fobes, J.H. N
 Foley, J.P., Jr. . . . IHF
 Fondiller, William . . M
 Forbes, G.S. F
 Forbes, James FG
 Fordung, W.J. . . . NGC
 Foregger, Richard . . C
 Forkner, C.E. N
 Foxe, A.N. NIH
 Foy, J.R. CNO
 Francis, T. Jr. NO
 Frank, L.K. KI
 Frank, R.T. NCF
 Frederick, H.A. . . . M
 Freiberg, A.D. . . . IK
 Fremont-Smith, F. . . N
 Friedman, Alexander C
 Friedman, E.M. . . . KFC
 Friedman, E.D. N
 Friedman, H.G. N
 Friend, W.F. MIO
 Fries, E.F.B. FNG
 Fries, H.H. CK
 Frissell, L.F. N
 Fry, T.C. ABD
 Fryer, Douglas IOH
 Furia, J.J. MKO
 Furth, Jacob N
 Gahagan, Lawrence NI
 Galdston, Iago NIL
 Gallagher, J.J. . . . MPI
 Galt, R.H. B
 Galt, William I
 Gannon, Miss C.F. . . NC
 Garbat, A.L. N
 Garbat, C.Zent NC
 Garrett, H.E. I
 Garthwaite, Miss B. . . NFG
 Gasser, H.S. N
 Gates, A.I. IO
 Gates, Donald PCM
 Geist, S.H. NFG
 Gelarie, A.J. N
 Gerdau, Mrs. Otto . . .
 Gernsback, Hugo . . . DIM
 Gettinger, R. NQC
 Gettler, A.O. CN
 Geyelin, H.R. CN
 Gibbs, George M
 Gies, Wm.J. CNDG
 Gifford, W.S. K
 Gill, B.P. A
 Gillespie, R.McM. . . EBC
 Ginsberg, A.J. N
 Ginsburg, Jekuthiel A
 Ginsburg, S.W. NI
 Glenn, J.M. K
 Globus, J.H. NIF
 Godley, G.McM. . . . C
 Goettsch, M. CN
 Gold, Harry NOF
 Goldan, S.O. N
 Goldberg, J. NFG
 Goldbloom, A.A. . . . NC
 Goldfarb, Wm. IQK
 Goldfeder, Anna . . . N
 Go'din, Oscar NO
 Gossmark, Carl, Jr. . . N
 Goldsmith, A.N. . . . BM
 Goldstein, Bessie . . . GF
 Goldstein, Eli N
 Goldstein, Israel CBA
 Golovin, N.E. BAK
 Goodbar, J.E. KIH
 Goodner, Kenneth . . . N
 Gordon, H.H. N
 Gotesky, Rubin K

New York, Cont'd.

Grace, A.W. ND
 Graef, Irving N
 Graham, Miss M.A. . . GF
 Granath, L.P. B
 Grant, F.C. LKH
 Grauer, Frank N
 Gray, Frank B
 Gray, Miss M.G. . . . AB
 Green, Henry BC
 Greenacre, Phyllis . . N
 Greenburg, Ethel FGN
 Greenburg, Leonard N
 Greene, J.S. NI
 Greenhall, A.M. . . . FEQ
 Greenlee, Ralph N
 Greenwald, Isidor . . NC
 Gregersen, M.I. N
 Gregory, L.H. F
 Gregory, W.K. FH
 Gross, Moritz N
 Grosse, A.V. CB
 Grossman, Mrs. C.M. . .
 Grossman, E.B. NC
 Grosvenor, Wm.M. . . .
 Grove, B.H. EFH
 Gruber, R.E. CNG
 Gruenberg, B.C. . . . OFI
 Grundfest, Harry NFB
 Guanella, F.M. I
 Gudernatsch, F. . . . NCF
 Gudger, E.W. F
 Guggenheim, W. . . . M
 Guion, C.M. NCD
 Gunn, S.M. N
 Curley, Miss C.R. . . NFI
 Gutman, A.B. NFC
 Habib, Nathan KO
 Hackett, L.W. NFK
 Hagan, H.R. FG
 Haig, Charles NFG
 Hall, Miss H.P. NC
 Hall, R.P. F
 Halle, H.J. N
 Hallett, R.L. CBM
 Hallock, F.A. GN
 Halsey, E.H. F
 Halsey, R.H. NK
 Halton, Mary N
 Hamilton, E.P. M
 Hamlin, M.L. CMP
 Hanger, F.M. N
 Hansen, C.F. IK
 Hanson, F.B. F
 Hardy, E.R. N
 Hardy, Le G.H. NBM
 Hare, Mrs. Meredith H
 Hare, William N
 Harms, Ernst KPL
 Harml, M.H. F
 Harper, Solomon MOG
 Harris, M.M. NCH
 Harrison, H.E. NC
 Harrison, S.M. K
 Harrold, C.M., Jr. . . F
 Harrow, Beni. NBC
 Hart, Fanchon NGO
 Hart, Ralph CBM
 Hartmann, W. CDE
 Hartshorne, Isaac . . . N
 Hartstein, J.I. OI
 Harwell, J.G. CB
 Hass, George N
 Hassan, A.I.A. EDM
 Hastings, G.T. G
 Fatcher, R.A. No
 Hauer, Emanuel HFG
 Hawkes, Forbes N
 Hawthorne, W.J. . . . BCA
 Hay, C.L. H
 Hayes, M.H.S. IKP
 Hayner, L.J. B

New York, Cont'd.

Haynes, W.P. E
 Hazen, Miss E.L. . . . N
 Hazen, M.S. O
 Hazen, T.E. G
 Hecht, Selig FN
 Heckman, S.B. IO
 Behre, F.W. MBO
 Heidelberger, M. . . . CN
 Heinman, Jacob N
 Heineman, S.D. C
 Heising, R.A. BM
 Held, I.W. N
 Helff, O.M. F
 Hellinger, Joshua . . . KL
 Hellman, Milo HND
 Hellmann, Fred MAB
 Hemley, Samuel H
 Hendel, J.M. C
 Henderson, H.P. . . . M
 Henry, E.R. IQC
 Hepburn, Ann B
 Herbst, R.M. C
 Hermann, Seymour . . C
 Herrick, J.C. N
 Herrick, W.W. N
 Herriott, Mrs. A.L. . . .
 Herrman, Charles . . . N
 Herrmann, D.B. CB
 Herskowitz, A. G
 Herzog, George HL
 Herzog, Samuel A. . . . E
 Hewitt, E.R. CFN
 Heyd, Chas. G. N
 Heye, G.G. H
 Hiatt, E.P. NF
 Higginson, Mrs. J.J. . .
 Hilberer, Norman . . . B
 Hildreth, Gertrude . . QI
 Hillegas, A.B. G
 Hiller, Alma CNQ
 Hinchman, Miss A. . . .
 Hinck, C.F., Jr. CNF
 Hingsburg, Miss O.H. . .
 Hinkle, B.M. IN
 Hinsey, J.C. GN
 Hirsch, Miss D.T. . . . NFG
 Hoagland, C.L. N
 Hobby, G.L. N
 Hodgdon, D.R. C
 Hoffman, S.V. ADM
 Hogan, J.V.L. BMO
 Holbrook, Percy M
 Holden, Frances I
 Holden, Margaret . . . N
 Holland, Maurice M
 Hollander, F. BCN
 Hollister, Miss G. . . . FE
 Honaman, R.K. MPK
 Hoover, H.C. KMP
 Hopkins, Hoyt S. . . . FNI
 Hopkinson, R. CMP
 Hoppock, Robert JOK
 Horkheimer, Max KIH
 Horn, C.W. MB
 Horwitz, Wm.A. N
 Houghton, D. CNO
 Howland, Ruth B. . . . F
 Howson, Hubert M
 Hubbard, Bela E
 Huber, Miss Olive . . . N
 Hudack, S.S. N
 Humphreys, F.E. ABC
 Huntington, A.M.
 Huppert, Wm. BCM
 Hurlin, R.G. K
 Hussakof, Louis F
 Huston, Henry A. . . . CO
 Hutchison, M.R. M
 Iles, George HKM
 Illich, Louis L. C
 Ingalls, A.G. DHE

New York, Cont'd.

Ingersoll, H.L. B
 Isaacs, M.L. N
 Jablons, Benjamin NC
 Jackson, E.A. N
 Jackson, Percy II
 Jackson, Sidney FHN
 Jackson, T.A. K
 Jacobs, W.A. C
 Jacobus, D.S. M
 Jacoby, G.W. N
 Jacoby, J.R. NI
 Jacobziner, H. NIK
 Jaffe, H.L. N
 Janko, Nehemiah NIK
 Janney, J.H., Jr. . . . NF
 Jastrow, Joseph IHO
 Javett, C.T. NCH
 Jeffries, F.M. N
 Jellinek, E.M. K
 Jenkins, Thos. N. . . . I
 Jersild, A.T. I
 Jette, Eric R. CBA
 Jewett, F.B. M
 Jobling, J.W. N
 Joffe, S.A. ADK
 Johann, N.E. C
 Johnson, A.LeR. NQH
 Johnson, A.L.P. MEB
 Johnson, C.C. GFO
 Johnson, D.W. E
 Johnson, H.H. FG
 Johnson, J.B. B
 Johnson, Myral
 Johnston, Helen CB
 Jolliffe, C.B. MB
 Jolliffe, Norman N
 Jones, Mark M. K
 Jones, M.F. N
 Jones, R.L. BMK
 Jordan, Robert NK
 Josephson, E.M. NIB
 Jud, F.C. GFE
 Jungeblut, C.W. N
 Kabat, E.A. NCO
 Kaempfert, W. G
 Kahl, Joseph FEC
 Kahn, I.W. NHI
 Kahn, M.C. N
 Kaliski, D.J. N
 Kaliss, Nathan FGN
 Kallen, H.M. IIK
 Kallmann, F.J. FNG
 Kamlet, Jonas CN
 Kanolt, C.W. ECA
 Kanowitz, S.B. C
 Kaplan, E.B. NLR
 Kaplan, Iral N
 Karelitz, G.B. BMO
 Karselen, F.E., Jr. . . . OIE
 Karpf, M.J. KIH
 Kasner, Edward A
 Kast, Ludwig NIO
 Katsh, A.I. KAB
 Kater, J.McA. F
 Katz, Richard, Jr. . . . C
 Katz, S.L. Nd
 Katz, William ADM
 Kaufmann, H.M. C
 Kaufmann, Jacob N
 Kautz, F.G. NHL
 Kay, G. Marshall E
 Keiser, Sylvan INO
 Keith, H.H. INB
 Keller, J.F. M
 Keller, W.C. Nd
 Kelley, N. K
 Kelly, M.J. B
 Kelly, Miss W.I. F
 Kendall, F.E. CN
 Kendall, James GF
 Kennedy, Foster N
 Kennedy, N.F. C
 Kenney, F.J. CBM

New York, Cont'd.

Kent, C.H. MA
 Kenyon, O.A. M
 Keppel, F.P. Q
 Kerr, P.F. E
 Kesten, H.D. N
 Ketchum, B.H. FGC
 Key, Ben Witt NCB
 Kidd, J.G. NC
 Kiddle, J.H. NPQ
 Kiesler, F.J. C
 Killeffer, D.H. C
 Killian, J.A. C
 Kilpatrick, Van E. Q
 Kilpatrick, W.H. Q
 Kindle, Cecil H. E
 King, B.G. NFO
 King, F.G. AKM
 King, R.W. B
 King, T.B. Nd
 Kingsbury, E.F. B
 Kirby, G.T. M
 Kisliuk, Max, Jr. F
 Kissam, W.A. Q
 Kissell, Miss M.L. HI
 Kitchen, E.M. CO
 Klatsky, Meyer NdH
 Kleinman, H. NFG
 Kliger, I.S. N
 Klineberg, Otto HIN
 Klock, Augustus BCE
 Klopfer, Bruno HIO
 Klosterman, Julius N
 Klotz, W.C. N
 Knapp, Arnold N
 Knoll, Alexander CBO
 Knowles, Frederick N.
 Knox, Lelia C. NKL
 Koehring, Vera F
 Koerth, Wilhelmine IO
 Kokatnur, V.R. CBL
 Kolodny, Anatole N
 Kondritzer, A.A. CN
 Konheim, B.G. FN
 Kopeloff, Nicholas N
 Korr, Irvin M. F
 Kotlar, Philip OFG
 Kraft, Ernest N
 Krasnow, Frances CNP
 Kresh, Shepard N
 Kreisinger, Henry M
 Kress, S.H. N
 Krida, Arthur N
 Krocher, Miss E. NFO
 Krugman, Morris IO
 Krumb, Henry M
 Kruse, H.D. NC
 Kubie, L.S. NI
 Kubis, J.F. IOA
 Kugelmass, I.N. NC
 Kuhn, W.E. CBM
 Kupfer, Elsie M. GFN
 Kurzrok, Raphael NC
 Kutz, Sally E. N
 Ladd, W.S. NEI
 LaFarge, Oliver H
 Lake, D.B. C
 Lambert, R.A. N
 Lambert, R.K. N
 Lambert, S.W. N
 Lamont, Corliss QKH
 LaMonte, Miss F. FHN
 Lancefield, R.C. N
 Landis, Carney IN
 Landis, Quick C
 Landman, J.H. FHI
 Landolt, F.E. C
 Landon, F.G. C
 Lanford, O.E., Jr. CB
 Langmuir, C.R. QKI
 Lascoff, J. Leon NC
 Last, M.A. NB
 Laufer, Stephen C
 Laval, Joseph NIH

New York, Cont'd.

Lavin, G.I. C
 Lavos, George IQK
 Lawrence, C.B., Jr. KI
 Lawton, Miss Elva G
 Lawton, George IQK
 Lawton, S.U. FN
 Leach, H.G. HIK
 LeBuffe, F.P. Nd
 Lefkowitz, Wm. BCM
 Legg, Victor E. CBO
 Lehrman, P.R. IN
 Lemon, B.J. MC
 Lemon, Courtney F.H.
 Leonard, H.J. Nd
 Leopold, J.S. N
 Levene, P.A.T. N
 Levin, Isaac NBG
 Levin, Louis NC
 Levine, Michael GN
 Levine, S.Z. N
 Levy, D.M. N
 Levy, R.L. N
 Levy, William K
 Lewis, C.McK., Jr. CKH
 Lewis, Clarence CDB
 Lewis, David CBL
 Lewis, Joseph E
 Lewis, N.D.C. ICN
 Libman, Emanuel NQ
 Lichtenstein, A.F. G
 Lichtman, Miss F. G
 Lieb, C.C. NPcf
 Lieban, E. Alan Nd
 Lieber, Leon NHK
 Liebmman, A.J. CBP
 Liebowitz, Sidney ABC
 Liebowitz, Benj. M
 Ligon, W.D., Jr. QIM
 Lillenthal, Howard N.
 Lindsay, S.M.C. K
 Lindstrom, Wm. MAB
 Lindwall, H.G. C
 Lindehan, P.H. A
 Linton, Ralph H
 Lippmann, R.K. NFB
 Lips, Julius E. HKI
 Liss, Edward QI
 Littauer, L.N. Nd
 Litten, J.J. M
 Little, Mrs. I.R.W. F
 Little, M.E. FGH
 Livengood, W.W. M
 Livingston, E.M. CMB
 Lloyd, D.P.C. N
 Lobeck, A.K. E
 Locke, N.M. IFH
 Lockwood, Miss M. DE
 Loeb, Robert N
 Loewenstein, E. BC
 Long, Louis INK
 Long, M.B. MBC
 Long, W. Bayard NP
 Lorge, Irving QIK
 Lotthrop, S.K. H
 Lotka, Alfred J. B
 Lough, J.E. IO
 Lough, O.M. INQ
 Lowther, F.deL. FH
 Lubman, Max N
 Lubowe, N.R. FGN
 Ludwig, Daniel F
 Lutz, F.E. F
 Lyman, Franklin COE
 Lynch, Miss C.J. FN
 Lynch, J.J. BE
 Lynch, Wm. A. BE
 McCall, J.O. Nd
 McCall, W.A. IO
 MacCallum, Miss H. KQ

New York, Cont'd.

McCarthy, D. IO
 McCastline, W.H. N
 McClure, H.B. CMN
 MacColl, Mrs. LeR.A.,
 GFA
 MacComb, W.S. N
 McCracken, E.C. BNA
 McCraen, N.G. LO
 McCready, R.L. N
 McEwen, Alfred P
 McEwen, Currier NO
 McGill, V.J. IKQ
 McGraw, M.B. IHN
 McGregor, J.H. F
 McGuinness, M.C.L. N
 McIntosh, Rustin NC
 Mack, E.L. C
 Mack, J.W. K
 MacKee, G.M. N
 McKee, R.H. C
 MacKenzie, J.M. MAB
 MacKenzie, K.G. C
 McKnight, Charles M
 McLaren, P.J. MNO
 Maclean, B.L. F
 MacLeod, Grace CN
 McMaster, P.D. N
 McNeer, Gordon N
 MacTavish, W.C. CN
 Maier, Otto N
 Malisoff, W.M. CNB
 Maller, J.B. I
 Mallon, Arthur KLI
 Malone, Miss E.J. FGH
 Manthey, L.L. CN
 Mandelbaum, M.R. C
 Manginelli, E.A. HIK
 Manges, Morris EN
 Mann, A.R. KOQ
 Mann, Hubert N
 Mann, P.B. FGQ
 Mannhardt, L.A. EF
 Manson, M.H. N
 Manzer, C.W. I
 Marano, R.J. GFN
 Marcus, Alex. B
 Marcus, J.K. CN
 Margolis, J.I. N
 Marinelli, L.D. BN
 Marlies, C.A. MCB
 Marmor, J.D. EHN
 Marmormston, Jessie N.
 Marrazzi, A.S. NPFI
 Marrison, W.A. BED
 Marston, W.M. I
 Martin, H.E. N
 Martin, Mrs. W. N
 Marx, Miss R.S. C
 Mason, D.B. CM
 Master, A.M. NQE
 Matchette, F.J. B
 Mathews, R.S. F
 Matsner, E.M. NI
 Mattice, M.R. CN
 Mattin, Harry C
 Matzke, E.B. G
 Mauersberger, H.R. CMO
 Max, L.W. INF
 Maxfield, Miss K.E. IO
 Mazur, A. C
 Mead, Mrs. S.F. QI
 Meek, L.H. OI
 Meier, Dorothy GF
 Meigs, A.V. C
 Meister, Morris QBC
 Melander, A.L. F
 Meleny, F.L. NLQ
 Meltzer, Victor N
 Mendel, J. Np
 Mentzel, Charles MEC
 Merriman, C.F. MEO
 Merritt, A.H. Nd

New York, Cont'd.

Messenger, H.A. B
 Meyer, Otto N
 Meyers, S.S. BMN
 Michaelis, Leonor CN
 Michaelis, C.G. M
 Milch, Henry NFG
 Miles, Gilbert CBF
 Millhorat, A.T. NCE
 Millar, P.S. M
 Miller, B.S. C
 Miller, C.R. QKH
 Miller, E.G., Jr. CN
 Miller, G.L. CN
 Miller, G.E. CMB
 Miller, Mrs. H.S. N
 Miller, H.M., Jr. FNC
 Miller, J.W. N
 Miller, O.M. EDM
 Miller, R.L. E
 Milliken, Seth Minot N.
 Milstone, J.H. NCF
 Mindlin, Eugene NI
 Mindlin, R.D. MB
 Minor, Miss M.L. FG
 Mira, J.A. A
 Mirick, G.R. MA
 Mishulow, Miss L. NO
 Mitchell, A.C. C
 Mitchell, David IOH
 Mitchell, H.B. AIO
 Mitchell, Miss M.M. B
 Mitchell, W.C. K
 Mitchell, W.H. KCI
 Mittelmann, Bela IN
 Mohr, Franklin MBA
 Moldenke, H.N. GFH
 Molina, E.C. A
 Montague, J.F. NF
 Montague, W.P. I
 Montgomery, A. E
 Moore, C.J. C
 Moore, Dan H. B
 Moore, E.F. KM
 Moore, Stanford CN
 Morgan, C.I. C
 Morgan, D.F. C
 Morgan, J.J. CM
 Morgan, O.S. OK
 Morgan, W.F. F
 Morrill, C.V. M
 Morris, Mrs. D.H. L
 Morris, J.D. FO
 Morrison, A.C. CB
 Morrison, H.B. QI
 Morrissey, R. BAM
 Mort, P.R. QI
 Moschowitz, Eli N
 Mossman, D.D. CQL
 Mossman, D.R. CO
 Muench, H., Jr. N
 Muenzen, Jos. B. C
 Mulinos, M.G. CNp
 Mullen, J.A. FO
 Mumford, A.R. MCD
 Murphy, E.J. BCK
 Murphy, Gardner I
 Murphy, J.B. N
 Murphy, R.C. FE
 Murray, C.R. NF
 Murray, M.R. FN
 Musher, Sidney CNK
 Myers, C.N. CN
 Myers, D.M. MCB
 Myers, J.T. N
 Naiman, Barnet CO
 Nathan, Harold N
 Nathans, A.A. FG
 Naumburg, R.E. MOL
 Naumburg, Mrs. W.W. F
 Nelson, J.M. CN
 Nelson, Nels C. H
 Nelson, Theodora F

New York, Cont'd.

Nesbitt, Elizabeth . . . N
 Neustadter, L.W. . . . I
 Neuwirth, Isaac . . . N
 Newman, A.B. . . . MCB
 Newman, Hugo . . . IO
 Newman, S.S. . . . LOI
 Newman, Miss V. . . NOC
 Nichols, J.T. . . . F
 Niederl, Joseph B. . . C
 Niles, W.L. . . . N
 Nilson, S.J. . . . NCI
 Noback, G.J. . . . NFH
 Noble, G.K. . . . F
 Nonidez, Josef. . . NF
 Nord, F.F. . . . CNK
 Norris, H.L. . . . M
 Notman, Arthur . . . E
 Nunberg, Herman . . IOL
 Nystrom, P.H. . . . K
 Oak, Miss D. . . . GOF
 O'Brien, Miss A. . . GF
 O'Byrne, H.I. . . . F
 O'Connell, D.T. . . EMO
 Oeteking, Bruno . . H
 O'Leary, A.J. . . . BD
 Oler, C.B. . . . M
 Olitsky, P.K. . . . N
 Olmstead, P.S. . . . B
 Olyanova, Mrs. N. . . IN
 Olzendam, Miss T. . CN
 Opie, E.L. . . . NF
 Oppenheimer, B.S. . . N
 Oppenheimer, E.D. . . N
 O'Rear, F.B. . . . QIK
 Orleans, J.S. . . . QI
 Ornstein, G.G. . . . N
 Orrok, G.A. . . . M
 Orton, S.T. . . . N
 Osborn, Fred. . . . HIK
 Osborn, W.C. . . . N
 Osgood, A.T. . . . N
 Osterhout, M.I. . . GF
 Osterhout, W.J.V. . . G
 Osterud, K.L. . . . F
 Otten, Henry . . . MBK
 Ottenberg, Reuben . FN
 Overstreet, H.A. . IKH
 Pack, G.T. . . . N
 Packard, Charles . . F
 Paige, B.H. . . . N
 Palmer, B.B. . . . NdeK
 Palmer, D.H. . . . MBO
 Palmer, R.M. . . . CM
 Palmer, W.W. . . . CHN
 Pannil, C.J. . . . M
 Papanicolaou, G.N. . N
 Pappenheimer, A.M. . N
 Parker, R.D. . . . M
 Parr, Harry L. . . . N
 Partridge, E. DeA. . KO
 Pasternak, Jesse . . NFG
 Paton, R.T. . . . N
 Patterson, W.M. . . N
 Patty, F.A. . . . CNM
 Paul, A.A. . . . FN
 Paul, M.A. . . . CBA
 Payne, A.F. . . . QIK
 Payne, C.K. . . . ABK
 Payne, E.G. . . . QI
 Pearsall, Samuel . . N
 Pearson, Howard . . MBH
 Pease, H.D. . . . N
 Peck, S.M. . . . N
 Pedersen, James . . N
 Pegram, G.B. . . . B
 Pennington, M.E. . . CFG
 Perkins, W.H. . . . N
 Perla, David . . . N
 Perlman, David . . . CBO
 Pestel, Arthur . . . M
 Pestrecov, K.V. . . . BM
 Peters, J.L. . . . Nd
 Petrasek, W.A. . . . MQB

New York, Cont'd

Petti, M.J. . . . N
 Pfeiffer, C.G. . . . EKP
 Pfeiffer, G.A. . . . CN
 Phelps, E.B. . . . CM
 Phillips, Melba . . . B
 Piatt, Jean . . . FNG
 Piccoli, L.J. . . . Np
 Pickels, Edward . . NBC
 Pickering, Miss E. . . C
 Pickett, K.E. . . . QIM
 Pichard, W.P. . . . CMP
 Pieper, C.J. . . . O
 Pierce, H.M. . . . M
 Pierson, H.S. . . . NI
 Pike, F.H. . . . FN
 Pilpel, Miss E.M. . . HIK
 Pincus, Sol . . . MNC
 Pinkley, George . . . HFE
 Pintner, Rudolf . . . IQ
 Piotrowski, Zygmunt . I
 Pirrie, Peter G. . . . CM
 Pitkin, W.B. . . . IOQ
 Platt, Miss E.T. . . E
 Platt, H.H. . . . BM
 Poetschke, Paul . . . C
 Poffenberger, A.T. . . I
 Poillon, H.A. . . . M
 Polachek, Z.H. . . . M
 Polister, A.W. . . . F
 Pollack, Aboud . . . N
 Pollock, R.T. . . . PMC
 Poor, C.L. . . . BD
 Porter, H.H. . . . M
 Post, E.L. . . . ADB
 Potts, C.E. . . . M
 Povitzky, O.R. . . . N
 Power, F.W. . . . CNO
 Powers, S.R. . . . QCI
 Poynter, Miss H.J. . FH
 Pozen, M.A. . . . CP
 Prager, W.L. . . . C
 Pratt, W.E. . . . E
 Price, B.S. . . . NBC
 Price, Donald . . . CAB
 Prime, Frederick . . . N
 Procter, William . . F
 Proskauer, E.S. . . BDC
 Quick, Douglas . . . N
 Rabin, C.B. . . . N
 Rabinowitz, L.M. . . N
 Rabson, S.M. . . . N
 Rado, Sandor . . . NI
 Radosavljevich, P.R. . Q
 Ralli, E.P. . . . N
 Rappleye, W.C. . . . N
 Ratner, J.B. . . . C
 Ratner, Bret . . . NOI
 Raven, H.C. . . . F
 Rawles, W.P. . . . E
 Razran, G.S. . . . IQH
 Reed, Wm. E. . . . M
 Rees, Mina S. . . . A
 Reeve, W.D. . . . AO
 Rehman, Irving . . FHN
 Reichard, G.A. . . . H
 Reichert, Philip . . . N
 Reid, C.F. . . . O
 Reilly, Miss E. . . . NFC
 Reimer, Marie . . . C
 Reiner, Miriam . . . CN
 Remy, C.E. . . . N
 Renouard, C.A. . . . NO
 Renzetti, N. . . . BAC
 Reynolds, F.G. . . . A
 Rhodes, G.B. . . . N
 Rice, Hugh S. . . . DE
 Richards, Gragg . . . EM
 Richards, Mrs. H.M. . . GC
 Richman, A.A. . . . NB
 Richter, M.N. . . . N
 Rickett, H.W. . . . G
 Riesner, S.E. . . . Nd

New York, Cont'd.

Ringer, Michael . . . N
 Riordan, John . . . MAB
 Ripley, H.S. Jr. . . . NIO
 Ritt, J.F. . . . A
 Ritti, Miss Mabel M. . N
 Rivera, Trinta . . . CN
 Rivers, T.M. . . . N
 Robbins, W.J. . . . G
 Robertson, M.L. . . QFG
 Robinson, W.S. . . . KIA
 Robinson, W.T. . . . N
 Robinson, S.H. . . . IHK
 Rock, R.T., Jr. . . . IO
 Roger, John . . . M
 Rohdenburg, G. . . . N
 Rolle, Sidney . . . M
 Roller, Duane . . . B
 Rongy, A.J. . . . N
 Root, R.W. . . . F
 Root, W.S. . . . NF
 Rose, W.A. . . . MAB
 Rosebury, Theodor . Nd
 Roseman, Mrs. Alex. . N
 Rosen, S.H. . . . N
 Rosenberg, Paul . . BMC
 Rosenfeld, K.S. . . . N
 Rosinger, K.E. . . . N
 Rosoff, M.L. . . . LNd
 Ross, Nathaniel . . . NI
 Ross, Victor . . . CN
 Rossin, E.L. . . . EMK
 Roth, S. Clement . . . NIK
 Rothen, A. . . . CBN
 Rothschild, L. . . . NHI
 Rous, Peyton . . . N
 Roventine, E.A. . . . NO
 Roy, N.H. . . . MBP
 Rubin, H.H. . . . N
 Rubin, I.C. . . . N
 Rucker, Augusta . . . N
 Ruger, H.A. . . . IQA
 Ruger, Roberts . . . FNI
 Ruskin, Simon L. . . . C
 Russell, A.E. . . . NI
 Russell, Charles . . . QLO
 Ryan, C. Diller . . . N
 Ryan, John J. . . . MP
 Ryans, David . . . IO
 Sachs, Bernard . . . N
 Sackett, R.L. . . . M
 Sagal, Zachary . . . N
 St. Clair, Stuart . . . EM
 Salant, Aaron B. . . N
 Salant, E.O. . . . BCA
 Salant, William . . . N
 Salma, E.A. . . . KMO
 Salmon, Udall J. . . NF
 Salzer, Benjamin . . N
 Salzmann, J.A. . . . NdK
 Sandstrom, C.J. . . . F
 Sargeant, Miss B.B. . IO
 Sargent, W.D. . . . FGE
 Sauer, J.J. . . . BN
 Saville, T. . . . MEK
 Savitsky, Nathan . . N
 Saxl, N.T. . . . N
 Saxton, John A., Jr. . N
 Schaeffer, Morris . . NCF
 Scharff, M.R. . . . MK
 Scheidenhelm, F.W. . ME
 Scheinfeld, A. . . . FKI
 Schelkunoff, S.A. . . AB
 Scheuer, L.A. . . . N
 Schick, Bela . . . NHI
 Schiff, Fritz . . . N
 Schilt, Jan . . . D
 Schloss, O.M. . . . N
 Schneider, F., Jr. . . GH
 Schneider, H.A. . . . NC
 Schoenborn, H.W. . . FG
 Schoenheimer, R. . . . C
 Schrader, Franz . . . F

New York, Cont'd.

Schroff, Joseph . . . NCB
 Schuetz, F.F. . . . C
 Schults, A.S. . . . C
 Schurk, Samuel . . . CBA
 Schuyler, C.H. . . . Nd
 Schuyler, R.L. . . . L
 Schwartz, Laszlo . . . LN
 Schwarz, Emilie . . . F
 Schwarz, H.F. . . . F
 Schwarz, H.J., Jr. . . EHC
 Schwarz, Herman . . . N
 Schwarz, Robert . . . CMP
 Schweizer, Malvina . F
 Schwengel, Mrs. J.S. . F
 Schwesinger, G. C. . . IKQ
 Scott, Miss D.B. . . . C
 Scudder, Miss S.A. . . N
 Seabury, G.T. . . . M
 Seaman, E.C. . . . NTC
 Seaver, F.J. . . . G
 Seecof, D.P. . . . N
 Seegal, B.C. . . . N
 Seegal, David . . . N
 Seidl, J.C.G. . . . IMO
 Seligman, Mrs. E. AKQ
 Sells, Saul B. . . . IQK
 Semken, G.H. . . . NF
 Senauke, Alex. . . . BM
 Serber, G.M. . . . MEH
 Serin, B. . . . B
 Severinghaus, A.E. . NF
 Severinghaus, Mrs. W.L. . . B
 Shackleton, S.P. . . . BM
 Shand, S.J. . . . E
 Shanes, A.M. . . . FBG
 Shapiro, H.L. . . . I
 Shapiro, Shepard . . . N
 Shaw, R.S. . . . ABD
 Shea, T.F. . . . N
 Shearer, Miss E.L. . . BMC
 Sheehan, M.R. . . . I
 Sheldon, H. Horton . . B
 Shepard, F.J. . . . N
 Sherlock, J.R. . . . IK
 Sherman, H.C. . . . C
 Sherman, W.B. . . . N
 Sherover, Max . . . LI
 Shimer, W.A. . . . QIK
 Shinkle, V.G. . . . BCE
 Shlauer, Simon . . . FBC
 Shoenfeld, D.D. . . . NIF
 Shore, Henry . . . MBA
 Short, James J. . . . N
 Schwartzman, G. . . . N
 Sieber, Miss I. . . . CBN
 Silver, Bruce R. . . . CBM
 Simms, Henry S. . . . NCF
 Simpson, G.G. . . . EF
 Simpson, Mrs. J.L.S. . . GF
 Skelley, C.L. . . . N
 Smith, Leonard . . . C
 Smith, A.C. . . . GE
 Smith, Carl H. . . . N
 Smith, E.B. . . . MEB
 Smith, H. DeW. . . . CBQ
 Smith, H.W. . . . N
 Smith, P.E. . . . N
 Snell, C.T. . . . C
 Snow, W.F. . . . N
 Snyder, Carl . . . K
 Snyder, John . . . CI
 Sobel, F.S. . . . IQA
 Sobel, S.P. . . . N
 Sobotka, H.H. . . . CN
 Solley, P.P. . . . N
 Somach, Irving . . . NIL
 Sonneborn, F. . . . C
 Soper, Fred L. . . . NF
 Sorrin, Sidney . . . Nd

- New York, Cont'd.**
 Southworth, H. NB
 Spear, W. E. M
 Spence, R. B. IO
 Spencer, Douglas IOI
 Spencer, H. J. NF
 Sperry, E. A. M
 Sperry, W. M. CN
 Spriegel, B. E. N
 Spillman, Ramsay N
 Spiro, W. J. MAB
 Spock, L. E. EM
 Sponable, E. I. MB
 Sporn, Philip MBK
 Sprague, E. C. CBD
 Springer, N. N. IQK
 Sproull, R. C. C
 Squier, Raymond N
 Stackpole, Miss C. E. FN
 Staloff, Charles FG
 Stander, H. J. CN
 Stanley, A. T. G
 Stanley, Douglas B
 Stanley, L. L. M
 Stanton, Hazel M. I
 Stearns, G. B. N
 Stebinger, Eugene E
 Steele, J. M. NBC
 Stefansson, V. EH
 Steffen, G. I. NC
 Stein, J. B. NFH
 Stein, M. R. IFd
 Stein, W. H. NC
 Steinbach, H. B. F
 Steinberg, J. C. B
 Steinman, D. B. MBA
 Steinmetz, V. A. CM
 Stern, Adolph NIH
 Stern, E. L. NC
 Stern, E. V. L. IO
 Stetson, D. D. N
 Stetson, G. A. M
 Stetten, DeWitt N
 Stetten, DeWitt, Jr. N
 Stevens, A. R. N
 Stevens, Sue C. CN
 Stevenson, E. CN
 Stevenson, G. S. I
 Stewart, F. W. FN
 Stewart, H. J. N
 Stewart, Irvin OK
 Stewart, S. W. M
 Stiles, H. S. N
 Stillman, R. G. CN
 Stillman, T. B. M
 Stone, Abraham N
 Stone, G. C. H. CNB
 Stone, H. M. N
 Stones, C. W. CNB
 Stookey, Byron N
 Stout, A. B. G
 Strang, Ruth O
 Strauss, Israel NI
 Strauss, Samuel N
 Strayer, G. D. Q
 Stringfellow, Miss E. G. E
 Strode, G. K. N
 Strong, W. D. HFI
 Stull, Arthur CNO
 Stunkard, H. W. FN
 Suglira, K. CN
 Sullivan, R. P. N
 Sulberger, A. H. N
 Sulberger, M. B. N
 Summerson, W. H. NC
 Surface, F. M. KF
 Sutherland, A. H. IQ
 Sutliff, W. D. N
 Sutton, J. E. Jr. N
 Sved, A. NDIA
 Swaine, J. W. CBF
 Swan, C. M. BMA
- New York, Cont'd.**
 Swartz, D. J. EQK
 Sweet, J. E. N
 Swenson, P. C. N
 Swift, H. F. N
 Symonds, P. M. IO
 Syz, Hans C. NI
 Szenes, Alexander M
 Tallman, Miss G. G. I
 Tanchester, D. NQ
 Tanzer, H. H. EI
 Taub, Abraham CNO
 Taylor, A. L. CNB
 Taylor, C. G. N
 Taylor, C. M. NI
 Taylor, H. F. FC
 Taylor, H. O. L
 Taylor, H. C. Jr. N
 Taylor, Kenneth NFG
 Taylor, Norman GN
 Taylor, R. M. N
 Tea, P. L. B
 Tee-Van, John F
 Thalheimer, W. N
 Tharaldsen, C. E. FN
 Thomas, A. W. C
 Thomas, Mrs. H. M. G
 Thomas, J. Elmer E
 Thomas, W. S. NG
 Thompson, C. B. NI
 Thompson, C. G. ODN
 Thompson, F. D. NF
 Thompson, M. R. CN
 Thorndike, E. L. IKO
 Thorndike, R. L. IO
 Thorne, Samuel N
 Tibbals, G. A. M
 Tiedcke, Carl CN
 Tietz, J. W. IOH
 Tillett, W. S. N
 Timme, Walter NF
 Tobey, J. A. N
 Toch, Maximilian C
 Tolmach, Samuel Nd
 Tompkins, S. A. KMA
 Toner, R. K. CM
 Topp, Miss Emily FGQ
 Torrey, J. C. N
 Tour, Sam MBC
 Towle, N. L. MQB
 Traeger, Cornelius N
 Traut, H. F. N
 Trautz, O. R. CB
 Traxler, A. E. QI
 Trelease, Mrs. H. M. G
 Trelease, S. F. G
 Treves, Norman N
 Trichter, J. CMNp
 Triest, R. M. O
 Trowbridge, D. S. M
 Truelblood, H. M. BM
 Trumbull, Mrs. M. R. S. HDE
 Trumbull, Walter HE
 Tuggle, Allan N
 Tuller, Miss A. AB
 Turner, Alva BA
 Turner, E. M. IO
 Turner, J. P. IHQ
 Turner, Lewis M
 Turner, W. D. CM
 Twombly, Mrs. M. F. FGQ
 Tyndale, Mrs. E. H. I
 Urey, H. C. CB
 Vaillant, G. C. H
 VanCleave, C. D. F
 Vanderbilt, C. M
 VanDeventer, H. R. MBC
 vanDuyn, Evelyn GF
 VanItallie, P. H. CN
 vanKleeck, Miss M. K
 VanName, Willard G. F
- New York, Cont'd.**
 VanNuy, C. C. B
 VanSlyke, D. D. CN
 VanVale, E. G. Nd
 vanWagenen, G. NF
 Vaughan, H. S. Nd
 Vicari, Miss E. FN
 Vincent, H. L. C
 Viola, Miss A. M. NF
 Vogelaar, Johannes CN
 VonSeckendorf, E. W. MBC
 Wakefield, S. D. HLK
 Walker, H. M. OKA
 Wall, Miss F. E. CLO
 Wallace, G. B. Np
 Wallerstein, Leo C
 Wallhausen, C. W. CBP
 Walsh, Miss E. A. I
 Walsh, J. J. N
 Walsh, T. J. N
 Walter, C. W. P. MAN
 Walters, Frank FG
 Warburg, Bettina NHI
 Warden, C. J. IO
 Warner, L. H. IKF
 Warren, H. S. MBK
 Waterman, F. N. BM
 Watson, R. F. N
 Watson, W. S. IQD
 Watson, W. L. N
 Watters, L. L. NCGH
 Waugh, L. M. NdGH
 Waysfield, Miss C. W. NCI
 Webb, H. W. B
 Webb, J. F. Jr. NFG
 Weber, F. C. CNO
 Webster, J. P. N
 Webster, L. T. NF
 Wechsler, David I
 Wechsler, I. S. N
 Weeks, L. G. EBK
 Wegel, R. L. B
 Wehmeyer, Eugene CN
 Weil, G. L. BM
 Weil, H. L. N
 Weinberger, B. W. NLH
 Weinland, J. D. IKO
 Weinstein, A. M
 Weinstock, Harry IN
 Weintraub, Solomon N
 Weir, J. M. Jr. NC
 Weisberg, H. F. FNG
 Weisner, Louis AM
 Weiss, Harry FN
 Weiss, J. M. MCB
 Weiss, Myron NMP
 Weiss, Samuel N
 Weitzner, Miss Bella H
 Welch, Brother B. A. ABO
 Welch, Livingston IN
 Wender, B. H. BAD
 Wendt, G. L. CBQ
 Wentz, E. C. BMC
 Wertham, Frederic IN
 Wesman, A. IO
 West, P. V. IO
 West, Randolph NC
 Whaley, W. G. GO
 Wheeler, G. W. N
 Whipple, A. O. N
 Whistler, Paul BCM
 Whitaker, M. C. CM
 Whiteside-Hawel, B. N
 Whitley, M. T. IO
 Whitlock, H. P. E
 Whitman, Ralph M
 Wiant, J. S. GO
 Wickenden, L. CPB
 Wickham, J. F. LQK
- New York, Cont'd.**
 Wiehl, Miss D. G. N
 Wiener, R. v. E. CNB
 Wiggam, A. E. IKQ
 Wile, Ira S. N
 Wilensky, A. O. N
 Wilkins, Sir Hubert E
 Willey, C. H. FG
 Williams, Miss M. F. LIK
 Williams, R. R. CNM
 Williamson, Miss P. B. OK
 Williamson, R. D. N
 Willis, W. J. AMF
 Wilson, Birkbeck HE
 Wilson, D. Bruce N
 Wilson, J. A. C
 Wilson, P. D. N
 Wilson, William BM
 Wimmer, C. P. NpCQ
 Winner, Mrs. F. B. GFN
 Winokur, Morris GFO
 Winship, Wm. W. CGO
 Wirth, H. P. A
 Wissler, Clark H
 Witt, S. E. N
 Wittlinger, Miss B. FGQ
 Wittrock, G. L. G
 Woglom, W. H. N
 Wolf, S. Jean IKQ
 Wolfe, T. P. N
 Wolff, H. G. N
 Wolff, R. I. DB
 Wolf, F. A. NK
 Wood, Ben D. QEN
 Wood, F. C. N
 Wood, L. F. K
 Woodard, H. O. C
 Woodard, Slush H. M
 Woodbridge, F. J. E. IO
 Woodworth, R. S. I
 Woody, Melver N
 Woodyard, Ella IOA
 Woodley, S. J. N
 Worcester, W. J. N
 Wormser, F. E. M
 Worsham, W. A. CO
 Wright, H. N. A
 Wright, J. K. EL
 Wulfeck, W. H. INK
 Wulfers, Miss M. G. N
 Yacknowitz, S. B. O
 Yeatman, Pope M
 Youman, A. S. NHI
 Young, Donald N. KH
 Young, R. L. M
 Zabriskie, E. G. N
 Zachry, C. B. I
 Zanetti, J. E. C
 Zavoico, B. B. EMP
 Zeman, F. D. N
 Zemsky, J. L. Nd
 Zerkban, F. W. C
 Zilboorg, Gregory N
 Zim, H. S. QEI
 Zimmer, J. T. IO
 Zubin, Joseph IO
 Zucker, T. F. CN
 Zwemer, R. L. NFH
- Niagara Falls**
 Banks, G. B. CBA
 Bartlett, E. R. C
 Benner, R. C. CME
 Bramann, G. M. CDE
 Cornthwaite, W. R. C
 Cunningham, G. L. CPM
 Fentress, A. L. ME
 Fowler, R. M. C
 Hinegardner, W. S. C

- Niagara Falls, Cont'd**
 Klauack, F.R. MBA
 Liddbury, F.A. CM
 MacMullin, R.B. CBM
 Marsh, W.J. CGI
 Pernert, J.C. C
 Regan, J.J. FG
 Ridgway, R.R. BMC
 Ruger, G.F. CBA
 Searles, Janet C
 Shannon, O.W. C
 Steele, Sydney MPK
 Stiegman, C.A. CI
 Wescott, E.W. C
- North Evans**
 Goetz, P.B. LQI
- North Pelham**
 Cockaday, L.M. BCM
- North Tonawanda**
 Hall, S.H. C
 Rasch, C.H. CMO
- Norwich**
 Briggs, W.P. Np
 Paul, Mary F. CFN
- Nyack**
 Freedman, W.H. BAD
- Ogdensburg**
 Madill, G.C. N
- Old Chatham**
 Sherndal, A.E. CNI
- Onchiota**
 Carter, E.P. N
- Oneida**
 Crockett, R.L. N
- Oneonta**
 Rock, H.F. MNC
 Steinbach, O.F. C
- Orangeburg**
 Leffel, S.L. NFC
- Orchard Park**
 Crowell, J.H. ABC
- Oscawana on Hudson**
 Belknap, Mrs. W.
- Ossining**
 Hopf, H.A. KMI
 Merica, P.D. MCB
- Oswego**
 Baer, C.E. QBC
- Otisville**
 Freund, Jules N
- Painted Post**
 Gage, O.A. B
- Pearl River**
 Baker, C.I. MBK
 Beard, S.D. CN
 Coca, A.F. N
 Gibbs, C.S. N
 Joyner, A.L. N
 Wyckoff, R.W.G. BCE
- Pelham**
 Knowland, R.G. CDB
 VanRiper, M.W. QK
- Pelham Manor**
 Cremer, Randall ABC
 Kingsbury, F.B. CN
- Penn Yan**
 Lewis, F.G. L
- Perry**
 Walker, G.W. ADB
- Phoenix**
 Birdlebough, J.C. QBC
 Murphy, Miss H.E. FN
 Robb, R.C. FN
- Pittsford**
 Hawley, E.E. O
- Plattsburg**
 Coats, F.L. FGD
 Hillegas, M.B. Q
- Pleasant Valley**
 Masten, F.E. E
- Pleasantville**
 French, Norman B
 Marquette, W.G. G
 Mastick, S.C. CKL
- Port Jefferson**
 Hansell, C.W. BMA
- Port Washington**
 Bullis, H.E. EK
 Greig, John M
 Stephenson, H. KL
- Potsdam**
 Bair, W.H. B
 McNall, Miss J.J. Q
- Poughkeepsie**
 Beckwith, C.J. F
 Brill, G.M. BMP
 Butler, Miss E. F
 Carter, Edna B
 Conklin, Miss R.E. N
 Crawford, H.M. C
 Dean, R.W. F
 Fiske, T.S. A
 Flynn, Miss C.S. N
 Gould, Miss M.C. IKH
 Griffin, C.W. C
 Hills, T.McD. E
 Hoe, Mrs. R. Jr. I
 Kambourpoulou, P. I
 Lamson, Miss G. EMK
 Langner, Helen P. NIH
 Lanier, L.H. I
 Magers, Miss E.J. N
 Newlin, J.C. IO
 Peckham, A.L. NC
 Pierce, M.E. F
 Roberts, Miss E.A. G
 Rowley, Miss J.B. I
 Sague, Mary L. C
 Shipley, Miss S. LH
 Smith, Miss G. A
 Stone, L.J. I
 Treadwell, A.L. F
 True, Mrs. E.C. C
 Wells, Mary E. A
 Wheeler, Miss M.A. B
 Wheeler, Ruth NKK
 Wick, Frances G. B
- Purdy Station**
 Halvorsen, A.L. MC
- Queens Village**
 Brookman, K.G. NE
 Hessey, Miss R.S. ION
 Simons, G.A. HIK
- Red Creek**
 Wood, W.H. EMK
- Rensselaer**
 Corbitt, H.B. CN
 Young, W.E. QKL
- Rensselaerville**
 Odum, E.P. FG
- Richmond Hill**
 Fletcher, Mrs. D.A. FGO
 Gordon, S.M. CN
 Maurmeyer, Robert CB
 Mayer, W.H., Jr. ADE
 Moss, L.H. N
 Petersen, Miss G.A. GOD
- Riverdale**
 Subaisky, Z. QFG
 Wood, G.C. FGQ
- Riverhead**
 Cunningham, H.S. G
 Hockett, H.C. FGO
 Oppermann, K.W. MBD
 Wessels, P.H. CO
- Rochester**
 Adolph, E.F. NF
 Albrech, M.C. C
 Alexander, C.A. MOK
 Ailing, H.L. BCE
 Atkins, H.P. A
 Bausch, C.L. MB
 Bausch, Edward ABF
 Berry, G.P. N
 Bishop, S.C. F
 Bloor, W.R. NpC
 Bright, H.F. BAG
 Burkhardt, H.J. Nd
 Clark, H.A. B
 Clark, J.H. BN
 Clausen, S.W. N
 Comstock, Miss L. N
 Cook, A.A. B
 Crabtree, J.I. CBM
 Culler, E.A. I
 Davidson, H.P. IO
 Dearing, L.M. CKC
 DuBridge, L.A. B
 Dunlap, J.W. IQ
 Ehrenfried, George BCE
 Eichelberger, W.S. D
 Eisenhart, M.H. PC
 Ellingson, Mark QIK
 Embree, Norris C
 Erb, F.O. QIK
 Fairbanks, F.C. BD
 Fairchild, H.L. E
 Fenn, W.O. NCB
 Foyles, E.J. EFG
 Frederick, C.W. ABC
 Gale, A.S. A
 Gamble, D.L. FNO
 Goodwin, R.H. G
 Gray, E.LcB. CN
 Guptill, Plimpton NE
 Hallett, L.T. CP
 Handy, Miss E.H. KNO
 Hanson, W.T., Jr. CB
 Harding, H. MAB
 Haven, F.L. CN
 Hawkins, W.B. N
 Hickman, K.C.D. C
 Hopkins, C.C. M
 Hopkins, R.S. BCM
 Huggins, M.L. CB
 Hutchinson, E.D. IK
 Hutchison, C.F. C
 Jones, L.A. BM
 Kakinuma, H. CME
- Rochester, Cont'd**
 Keutmann, E.H. N
 Kochakian, C.D. NC
 Kohl, W.J. BCF
 Lawrence, J.S. N
 Lerner, Macy L. N
 Lovejoy, F.W. CO
 McCann, W.S. N
 McCoord, Miss A.B. CED
 McCoy, O.R. FN
 McLeod, J. II B
 Mahoney, E.B. N
 Malm, C.J. C
 Markus, H.C. F
 Mason, K.E. NF
 Mees, C.E. K. BCD
 Meneely, G.R. N
 Meyer, Garson CMK
 Miriam, Sister R. C
 Mitrano, A.J. INO
 Morrison, C.A. BD
 Murlin, J.R. N
 Noyes, Bradford BM
 Noyes, W.A., Jr. CB
 O'Brien, Brian BMN
 Ott, J.L.G. B
 Parker, A.C. HQ
 Pearse, H.E. N
 Perrin, Fred BD
 Poser, Max N
 Rawles, Miss M.E. F
 Rayton, W.B. B
 Scheck, M.G. I
 Seidel, Vladimir ABD
 Seymour, M.W. N
 Shurrager, P.S. INF
 Simpson, R.B. EK
 Singewald, Q.D. E
 Smith, Burgess BC
 Smith, Karl U. IF
 Smith, P.J. A
 Snell, A.C. N
 Staud, C.J. C
 Stephens, D.J. N
 Stern, Curt F
 Sterner, J.H. NC
 Thomas, W.S. N
 Trivelli, A.P.H. BC
 VanWageningen, W.P. N
 Watkeys, C.W. ABK
 Wedd, A.M. N
 Westwater, Waldo C
 Whipple, G.H. N
 White, A.B. BA
 White, Miss E.C. FG
 White, W.R. CNO
 Wilkins, T.R. B
 Wilsey, R.B. B
 Wilson, K.M. N
 Zak, T.J. CM
- Rockville Center**
 Bassett, P.R. B
 Colley, Mary W. G
 Colley, R.H. I
 Gilbert, R.W. G
 Maure, K.L. BMA
 Quinn, E.J. C
 Scoles, D.L. CQO
- Rome**
 Wolf, Louis E. FN
- Rosedale**
 Weidner, C.L. CMP
- Roslyn**
 Frick, Childs E
- Rye**
 Barron, G.D. M
 Bird, Henry F
 Heuer, G.J. N

- Sandy Creek**
Jackman, Miss M. R. . . G
- Sagaponack**
Moore, J. B. K
- St. Albans**
Burt, H. A. DB
- St. Bonaventure**
O'Brien, Albert . . ABH
Scheir, M. A. . . . ABD
Vecchierello, H. . . GPN
- St. George**
Coles, R. S. EKL
- St. James**
Olyphant, R. M. . . . M
- Saranac Lake**
Brumfiel, D. M. . . . N
Gardner, Leroy N
- Saratoga Springs**
Baudisch, Oskar . . CGB
Cook, Dorothea J. . . I
Crook, M. N. III
Enloe, C. F. Jr. . . . NC
Goodfellow, T. J. . . NFB
Holmes, Stewart . . C
Hlyde, K. C. GF
MacArthur, E. H. . . CN
McKellan, W. S. . . . CN
Markley, A. L. C
Mauzey, J. V. KFN
Mowry, Helen A. . . FNG
Roshbush, David . . CNP
Stewart, Miss D. R. . FN
Stuck, L. W. BCE
- Saugerties**
Larned, S. J. M
- Sayville**
Stoye, H. I. F
- Scarborough**
Dakin, H. D. EHK
Lewis, Harmon . . . EBO
Schutt, H. C. MCA
- Scarsdale**
Bailey, Miss S. W. . . F
Baumann, E. J. . . . N
Benecke, Alex. . . . CN
Block, R. J. CN
Bonsteel, W. J. . . GNO
Brown, W. M. HIO
Fearing, J. L. BM
Frey, C. N. CN
Gregg, Alan NO
Kahle, R. C. N
Lovejoy, F. W. N
MacNeish, H. F. . . ABD
Meyer, A. S. KPE
Pelz, E. J. KPE
Read, T. T. M
Reid, L. C. N
Riess, B. F. IHF
Schultz, Mrs. E. C. . PGN
Sheehan, R. F. . . . FN
Starch, Daniel IO
Weaver, Warren . . . AB
Wilson, G. W. CBG
- Schenectady**
Alexanderson, E. F. W. . MKI
Alger, J. I. MQK
Bacon, E. K. CO
Benford, Frank B
Berg, E. J. M
Betts, Lester N
- Schenectady, Cont'd.**
Clark, L. B. FN
Cohn, M. M. MNC
Coolidge, W. D. . . . B
Dale, E. E. G
Dushman, Saul . . . BC
Eaton, T. H. Jr. . . . F
Ellery, Edward . . . C
Ferguson, C. V. . . . B
Fonda, G. R. CB
Foster, W. J. M
Found, C. G. B
Gordon, N. T. C
Grover, F. W. BMD
Harrington, R. H. . . M
Haskins, C. P. . . . CBE
Hawkins, L. A. . . . MB
Hobart, H. M. . . . MBI
Hull, A. W. B
Hurd, C. B. BC
Kellert, Ellis NF
Koller, L. R. B
Langmuir, Irving . . BC
Ligon, E. M. I
Lovejoy, J. R. . . . M
Luhur, Overton . . . B
March, J. L. IQF
Mavor, J. W. F
Merz, Paul C
Morse, D. S. A
Navias, Louis CME
Newkirk, B. L. . . . MBD
Pauly, K. A. M
Perry, C. L. M
Porter, J. D. C
Race, H. H. MBC
Reist, H. G. BGM
Rice, C. W. BAC
Ruder, W. C. BM
Seddon, J. C. BM
Slichter, W. J. . . . M
Stanford, S. C. . . . C
Studer, F. J. BA
Taylor, J. B. BM
Tullar, C. E. M
Ulrich, Floyd AM
Van Brunt, C. CBM
Van Dyck, W. V. B. . M
Walker, B. M. CNB
Whitney, W. R. . . . BC
Willev, L. M. CE
Wold, P. I. BD
- Scotia**
Bousman, H. W. . . . M
Reynolds, N. B. . . BCL
Seaward, C. R. . . . MCG
Sellers, J. E. C
- Sea Cliff**
Doebler, E. W. . . . MAB
- Seneca Castle**
Ferguson, M. C. . . . G
Ottley, Alice M. . . . G
- Setauket**
Strong, J. B. MAQ
- Sherrill**
Jones, E. L. CTM
- Shuhan**
Dobbin, Frank G
- Skaneateles**
Smith, Burnett EF
- Snyder**
Elton, W. N. NBC
- Solvay**
Terziev, G. N. C
- Sparkill**
Gray, G. W.
- Spencerport**
Carpenter, H. A. . . . QC
- Springwater**
Craig, J. W. OG
- Staten Island**
Davidheiser, Lee . . CB
Davis, W. T. F
Deal, R. E. F
Gibson, T. W. A
Iddings, Carl CB
Johnston, F. A. . . . BCM
Long, E. O. G
Mardus, F. MKD
Miller, Mrs. A. V. L. . E
Strauss, F. A. CM
Wellnitz, Anna M. . . B
Welo, L. A. EO
- State School**
Williams, H. D. . . . IKQ
- Suftern**
Ebeling, A. H. N
- Sunnyside**
Schweitzer, M. D. . . FGN
- Syracuse**
Allport, F. H. IK
Apfel, E. T. E
Bardwell, D. C. . . . C
Bray, W. L. G
Brightman, C. L. . . . BQ
Brown, H. P. G
Buell, H. D. C
Carroll, I. S. AQ
Cressey, G. B. E
Davidoff, Eugene . . NIQ
Decker, F. F. A
Dovener, R. F. M
Eaton, H. N. E
Egler, F. E. C
Eichelberger, W. C. . . G
Elder, A. L. CN
Faust, Miss M. E. . . . G
Fleming, R. S. C
Flint, C. W. Q
Forsyth, C. C. G
Graham, W. P. BMD
Groat, W. A. NBC
Haring, D. G. HK
Hildreth, H. M. . . . I
Hisey, W. O. CB
Howe, L. B. M
Humphreys, R. F. . . . B
Illick, J. T. F
King, R. T. FO
Knowlton, F. P. . . . FN
McCrosky, C. R. . . . CBA
McLaughlin, F. F. . . PEM
- Syracuse, Cont'd.**
Schramm, Edward . . . C
Sears, Nathan N
Sedgwick, Mrs. L. R. . G
Sedgwick, P. J. G
Siewers, A. B. NIK
Smallwood, W. M. . . . F
Spafford, F. A. . . . CBM
Tavanlar, E. J. MAB
Thelin, Ernst IO
Thomsen, Arnold . . . IH
Trump, E. N. MC
Vannelli, Patsy C
Vincent, G. I. M
Weil, N. C. CM
Weiskotten, H. G. . . . N
- Tarrytown**
Anthony, M. V. FO
D'Esopo, L. M. N
Smith, B. G. FN
- Thiells**
Humphreys, E. J. . . . NKQ
Kinder, E. F. I
Southwick, W. E. . . . FH
- Troy**
Arnold, O. M. CBG
Bray, A. W. L. FN
Caird, J. M. CGN
Carragan, G. H. . . . BMD
Cass, Miss R. E. . . . FNG
Clove, J. B. C
Corwin, E. F. MB
deForest, G. P. . . . MBA
Fairfield, J. G. M
Foster, C. H. M
Gegenheimer, Vida . . CNO
Harris, H. D. MBA
Hendee, Miss E. C. . . FG
Hill, S. E. FG
Hotchkiss, W. O. . . . ME
Hunter, M. A. CMB
Luce, R. H. FG
Lundin, Miss L. M. . . . BAD
Marsh, J. P. NL
Mugrave, R. S. IF
Oglesby, N. E. C
Palsgrove, G. K. . . . MQ
Patterson, R. A. B
Rosenholtz, J. L. . . . EM
Smith, Miss V. I. . . . NFB
Stevens, H. A. M
van Klooster, H. S. . . C
Walker, Roland FG
Wayman, W. E., Jr. . . MBA
Weaver, Katharine . . C
- Trudeau**
Kugler, O. E. FG
Sampson, H. L. BNA
- Tuckahoe**
Clarke, Miss M. F. . . . NC
Cook, C. A. CN
DeLice, Elvira N
Faunce, W. M. QDF
Lechychka, Marie C
Randall, L. O. N
Reiner, L. L. N
Rolle, C. J. CB
Sherwood, M. B. NFC
- Tuxedo Park**
Keyes, E. L. N
Loomis, A. L. BFG
- Unadilla**
Ward, H. L. CB

Utica
deLalla, Vincent ... NP
Hussey, Miss H. M. ... KQI
Trevvett, Edward ... E
Valley Stream
Cox, G. B. ... E
Victor
Lane, Laura A. ... NB
Voorheesville
Horton, R. E. ... M
Wading River
Kempf, E. J. ... IH
Wanakena
Dubuar, J. F. ... O
Farnsworth, C. E. ... G
Wantagh
Palk, W. H. ... GOF
Watertown
Jennings, F. H. ... C
Sillcox, L. K. ... KMP
Westbury
Hicks, Henry ... GQ

West New Brighton
Crandall, W. R. ... C
West Point
Fenton, C. L. ... CM
Young, W. J. ... GO
West Sayville
Glancy, J. B. ... MFN
White Plains
Boldt, H. J. ... N
Brandes, F. C. ... M
Curme, G. O., Jr. ... C
Ellis, B. F. ... EHC
Frankfurter, F. S. ... NP
Meleney, Miss G. C. ... FGQ
Norton, T. H. ... C
Powers, Lillian D. ... FIN
Ramsey, G. H. ... N
Schwartz, C. W. ... N
Sharp, C. H. ... MB
Stacy, Leda J. ... N
Tinklepaugh, O. L. ... IN
Williamsville
Schubert, H. J. P. ... KIQ
Williston Park
Englander, Harry ... M

Woodhaven
Appuhn, W. E. F. ... M
Axelrad, Sol ... NCB
Beyer, H. G. ... B
Woodmere
Levene, Howard ... FGC
Perry, H. M. ... I
Kirshen, Jack ... CMB
Sullivan, J. C. ... N
Woodside
Sullivan, J. C. ... Nd
Woodstock
Breithut, F. E. ... C
Wynantskill
Randall, J. J. ... N
Yonkers
Arthur, J. M. ... G
Beale, Mrs. J. H. ... G
Boettger, Robert ... MP
Caldwell, O. W. ... QG
Christmann, L. J. ... C
Cox, E. O. ... DM
Crocker, William ... G
Denny, F. E. ... G
Farr, Mrs. W. K. ... GC
Folks, Homer ... K

Yonkers, Cont'd.
Goodwillie, R. I. I. ... MPB
Guthrie, J. D. ... GCO
Hartzell, Albert ... FG
Hawley, S. B. ... BM
Hubert, W. G. ... A
Johnston, Alva ... D
Kittredge, G. W. ... M
Knacke, Miss F. E. D. ... N
McCallan, S. E. A. ... G
McNiff, W. T. ... B
Marine, David ... D
Miller, L. P. ... GCO
Miller, W. A. ... M
Morris, Miss I. S. ... GFE
Otis, A. S. ... OI
Payne, Miss R. L. ... CBH
Petsche, B. W. ... C
Pfeiffer, Norma E. ... G
Ryder, Ambrose ... MK
Schmidt, Miss C. I. I. ... CBO
Smatko, J. S. ... MCB
Smith, H. O. ... C
Snow, C. H. ... MO
Stevenson, E. L. ... E
Taylor, Ewing ... N
Vasti, Assunta ... NCK
Wodehouse, R. P. ... GC
Youden, W. J. ... HC
Zimmerman, P. W. ... GO

NORTH CAROLINA

Angier
Mabry, Roger
Asheville
Billings, Otto ... NIH
Buell, Jesse H. ... O
Carroll, R. S. ... IN
Colby, C. D. W. ... N
Demaree, C. C. ... N
Finster, Miss E. B. ... GFI
Herbert, Albert
Herbert, Miss J.
Hinds, Miss E. A. ... FNG
Murdoch, H. R. ... CM
Perry, Louise M. ... N
Russell, H. L. ... O
Sullivan, D. J. ... N
Westall, Miss M. ... G
Wilford, B. H. ... OFG
Ayden
Leonard, E. M. ... AKG
Beaufort
Prytherch, H. F. ... F
Biltmore
Frothingham, E. H. ... O
Norburn, M. E. ... EKL
Black Mountain
Dreier, Theodore ABM
Lindsley, C. H. ... CQB
Boone
Burns, Z. H. ... IQ
Ledbetter, Miss I. B. ... FG
Buies Creek
Gier, L. J. ... GFO
Poplin, R. L. ... CIO
Smith, R. E. ... A
Chadbourn
Thomas, W. A. ... F

Chapel Hill
Beers, C. D. ... F
Brecht, E. A. ... NpCG
Brooks, L. M. ... KIH
Bullitt, J. B. ... NH
Burlage, H. M. ... NpCG
Cameron, F. K. ... CMO
Coker, R. E. ... F
Coker, W. C. ... G
Costello, D. P. ... F
Couch, J. N. ... G
Crane, H. W. ... IK
Dashiell, J. F. ... I
Donnelly, G. L. ... N
Engels, W. L. ... F
George, W. C. ... FN
Groves, E. R. ... KIH
Henderson, A. ... ABD
Huddle, J. W. ... E
Jensen, O. F. ... O
Jordan, A. M. ... OI
Low, F. N. ... NF
McCampbell, J. C. ... EAB
MacNider, Wm. de B. ... Np
Manning, I. H. ... NC
Menius, Arthur ... BA
Odum, H. W. ... EHK
Pliske, E. C. ... FNG
Pratt, J. H. ... EMK
Prouty, W. F. ... EHF
Rice, O. K. ... BCA
Rose, I. W. ... CNO
Rosenau, M. J. ... N
Ruark, A. E. ... B
Ryan, W. C. ... QIH
Stuhlman, Otto, Jr. ... B
Totten, H. R. ... G
Vance, R. B. ... KEO
Welch, S. W. J. ... IM
Charlotte
Anderson, R. L. ... FNG
Barret, H. P. ... FN
Culp, Miss T. ... NFG
Graham, M. A. ... CBO
Howe, Miss M. D. ... GFN
Martin, W. F. ... N

Charlotte, Cont'd.
Myers, J. O. ... N
Walton, S. T. ... N
Davidson
Fulcher, H. E. ... B
Lyon, S. C. ... FGC
Porter, W. L. ... EF
Thies, O. J., Jr. ... C
Durham
Addoms, Ruth M. ... GO
Anderson, L. E. ... G
Baker, R. D. ... N
Beard, J. W. ... N
Bernheim, F. ... NpF
Berry, Willard ... EFG
Bigelow, L. A. ... CQ
Bird, H. C. ... M
Blomquist, H. L. ... G
Bookhout, C. G. ... F
Brownell, W. A. ... QIK
Bryan, W. R. ... N
Bush, Gow ... FG
Christenson, J. A., Jr. ... IQK
Constant, F. W. ... BA
Crispell, R. S. ... NIH
Culbreth, Miss S. E. ... F
Cunningham, B. ... FN
Darkis, F. R. ... COG
Eadie, G. S. ... Np
Ellwood, C. A. ... KHI
Everett, J. W. ... N
Forbus, W. D. ... N
Godbey, A. H. ... HEN
Goudge, Mabel E. ... IN
Graves, R. W. ... NB
Gray, I. E. ... F
Gross, Paul ... COB
Hall, F. G. ... F
Hamblen, E. C. ... N
Hargitt, G. T. ... F
Hauser, C. R. ... F
Hetherington, D. C. ... NQF
Hill, D. G. ... C
Hollinshead, W. H. ... FN

Durham, Cont'd.
Jeffers, Katharine R. ... F
Jensen, H. E. ... KHI
Johnson, M. W. ... F
Korstian, C. F. ... OGG
Kramer, P. J. ... G
Loewenbach, Hans ... NF
Lundholm, Helge ... I
Nelson, E. W. ... I
Neurath, Hans ... C
Oosting, H. J. ... G
Pearse, A. S. ... FN
Pedersen, P. M. ... CAB
Perlzweig, W. A. ... CN
Perry, H. S. ... G
Rhine, J. B. ... I
Roberts, J. H. ... A
Saylor, J. H. ... C
Scates, D. E. ... QKI
Smith, Mrs. S. G. ... NC
Spengler, J. J. ... KOF
Sprunt, D. H. ... N
Stuart, C. E. ... I
Swett, F. I. I. ... FN
Thomas, J. M. ... A
Vosburgh, W. C. ... C
Wilson, R. N. ... C
Wolf, F. A. ... G
Youngstrom, K. A. ... NFI
Elon College
Bowden, D. J. ... IHIK
Gravett, I. I. I. ... F
Powell, T. E. Jr. ... FG
Sprague, A. D. ... ABD
Franklinton
Adams, W. E. ... OGE
Gastonia
McKenzie, R. M. ... FG
Gatesville
Mitchell, R. W. ... CFQ
Greensboro
Banks, B. B. ... CBN
Carlsson, Miss V. ... CQ

- Greensboro, Cont'd.**
 Cooper, C.L. QK
 Duffy, Elizabeth I
 Givley, J.P. FGE
 Gove, Anna M. N
 Kittrell, F.P. CFI
 Lyle, G.R. L
 Martin, W.W. IQN
 Pegram, Annie M. A
 Shohan, Joseph NKH
 Smith, Martha E. C
 Stanland, Miss M. IQK
 Towns, M.B. CB
 Warfield, C.N. BDN
 Williams, Maude N
 Young, Elizabeth B. Q
- Greenville**
 Brandt, B.B. FO
 Fleming, R.S. FGO
 Guldedge, J.R. QL
- Gulford College**
 Binford, R. FEG
 Campbell, Miss E.G. N
 Field, Miss A.M. CQ
- Hamlet**
 Lambeth, Miss E. GFC
- Hickory**
 Morgan, K.Z. BAM
- High Point**
 Flagge, P.W. N
 Hill, B.H. FGN
- Laurinburg**
 Griggs, Mary A. CBQ
- Linville Falls**
 Moore, H.F. F
- Manteo**
 Settel, Sylvan OG
- Mars Hill**
 Tientham, S.O. GFE
- Mocksville**
 Hairston, N.G. FG
- Morganton**
 Vernon, J.W. N
- Mt. Gilead**
 Andrews, G.R. KIF
- New Holland**
 Johnson, M.S. F
- Oxford**
 Moss, E.G. O
- Pinehurst**
 Wicker, R.E. G
- Raleigh**
 Anderson, D.B. G
 Barber, Miss L.A. FG
 Boomhour, Miss E.G. GO
 Boomhour, J.G. B
 Bostian, C.H. FG
 Browne, W.H., Jr. QMB
 Buell, M.F. G
 Burling, L.D. EQK
 Clevenger, C.B. O
 Constable, E.W. CBM
 Cooper, Margaret M. C
 Cotner, J.B. O
 Dearstyne, R.S. O
 Fulton, B.B. F
 Gardner, M.E. O
 Garrison, K.C. IQ
 Greaves-Walker, A.F. M
 Grimshaw, A.H. C
 Halverson, J.O. CFN
 Harvey, P.H. G
 Henderson, E.H. ILK
- Raleigh, Cont'd.**
 Jordan, W.E. CBO
 Kerr, Thomas G
 Lehman, S.G. G
 Lineberger, H.O. Nd
 Lovvorn, R.L. FN
 McCutcheon, F.H. OG
 Meares, J.S. BAM
 Metcalf, Z.P. FO
 Miles, I.E. OCE
 Miller, W.D. OFG
 Mitchell, T.B. F
 Moore, J.H. GO
 Poole, R.F. GO
 Rhodes, L.B. CBE
 Satterfield, G.H. CFO
 Shaw, K.J. GFO
 Sherwood, F.W. CON
 Shunk, I.V. GN
 Singer, W.E. CB
 Smith, B.W. GO
 Stuckey, J.L. E
 Thomas, D.B. BA
 Watson, James I
 Wells, B.W. G
 West, Gladys F. G
 Williams, C.F. GO
 Williams, C.B. O
 Williams, L.F. C
 Yarbrough, M.E. CNO
- Red Springs**
 Prince, Miss V.D. ABF
 Stump, Alexander FGO
 White, J.T., Jr. EFG
- Reidsville**
 Klenner, F.R. NFG
- Salisbury**
 Braun, M.L. BDA
 Conrad, Mary E. FCG
 Gray, Miss Cora E. NQ
 Ramsey, G.G. C
 Wentz, B.A. I
- Southern Pines**
 Barksdale, W.L. O
 Mudgett, W.C. N
- Statesville**
 Stitt, R.E. OG
- Swannanoa**
 Jensen, H.W. G
- Tarboro**
 Zoeller, E.V. CKNp
- Tryon**
 Dodge, Raymond I
 Roberts, Miss H.H. HLN
- Wake Forest**
 Bradbury, O.C. F
 Cocke, E.C. FG
 Isbell, R.N. C
 Kitchin, T.D. N
- Willard**
 Meckstroth, G.A. GF
- Wilmington**
 Lancaster, W.J. N
 Sellers, W.Jr. CBN
 Willoughby, J.E. MEB
- Wilson**
 Saliba, Michel NIH
- Wingate**
 Lovelace, Miss R. FG
- Winston-Salem**
 Cooke, G.C. NM
 Frost, Thomas NBC
 Johnson, W.M. N

NORTH DAKOTA

- Bismarck**
 Henderson, R.W. NF
 Murray, Miss M. IQK
 Will, G.F. HOL
- Dickinson**
 Moomaw, Leroy OGK
- Fargo**
 Bolley, H.L. G
 Brentzel, W.E. GO
 Brentzel, W.W. G
 Christensen, F.W. CNO
 Churchill, O.O. O
- Fargo, Cont'd.**
 Eversull, Frank QI
 Flor, H.H. G
 Griffith, M.E. F
 Helgeson, E.A. G
 Higgins, E.C. GEO
 Mattson, Harold OG
 Sprague, Roderick G
 Stevens, O.A. FG
 Swisher, C.L. BM
 Waldron, C.B. O
 Waldron, L.R. OG
 Walster, H.L. GO
 Whedon, A.D. F
 Whitman, W. GOE
- Grand Forks**
 Breitwieser, J.V. I
 Chandler, E.F. DM
 Harrington, L.C. CM
 Kjerstad, C.L. IQ
 Saiki, A.K. NC
 Talbert, G.A. N
 Weber, N.A. FG
 Wheeler, G.C. F
 Youngs, N.A. NC
- Jamestown**
 Burr, A.C. CMQ
 Cobb, F.E. GOH
 Jackson, T.W. AB
- Jamestown, Cont'd.**
 Knight, G.N. FG
 Thomas, W.B. B
- Mandan**
 Brinsmade, J.C., Jr. OG
 Sarvis, J.T. O
 Thysell, J.C. OBA
- Milnor**
 Dressel, E.D. OGK
- University**
 Oliver, A.R. EGK

OHIO

- Ada**
 Dobbins, R.A. G
 Huber, H.E. FG
 Ranbe, R.H. NpC
- Akron**
 Acquarone, Paul G
 Albright, R.W. C
 Baker, M.R. NAC
 Blaker, Ernest BC
 Caplin, Sam GE
 Compton, Jack CGB
- Akron, Cont'd.**
 Cook, W.A. CAN
 Cool, R.D. C
 Dinsmore, R.P. C
 Fox, R.D. N
 Garvey, B.S., Jr. C
 Gray, D.E. B
 Gray, Harold CM
 Haas, E.G. CBO
 Held, C.E. N
 Herschkowitz, Joseph F.
 Hansen, Mrs. H.Z. FG
 Jones, E.P. FNC
- Akron, Cont'd.**
 Jones, P.C. C
 Knight, C.M. BC
 Kraatz, W.C. F
 Oenslager, George C
 Pechukas, A. CMP
 Potter, F.C. N
 Steink, C.R. N
 Stiehler, R.D. CNB
 Stover, Miss A.C. N
 Street, J.N. C
 TenBroeck, W.T.L. C
- Alliance**
 Burrell, Miss C.M. FGO
 Engle, O.H. F
 Lamb, G.F. E
 Morgan, Wm. M. C
 Pappenhagen, L.A. C
 Scott, J.M. FN
 Zang, LeRoy L. O
- Arcanum**
 Sigerfoos, C.P. F

Ashland

Auten, Mary F
 Jacobs, E.E. F
 Kirkland, Miss A. QIH

Ashtabula

Burroughs, S.H. N

Ashville

Richey, F.D. GO

Athens

Benz, H.E. QA
 Boetticher, A.W. GF
 Copeland, W.F. G
 Krecker, F.H. F
 Lehman, H.C. IO
 McClure, O.E. B
 Marquis, R.H. ABD
 Matheny, W.A. FG
 Morton, J.R. C
 Morton, R.L. QIA
 Porter, J.P. I
 Reed, F.W. A
 Rowberry, H.H. B
 Roses, Emmett N
 Sias, A.B. OKA
 Stehr, W.C. F

Barberton

Chenicek, A.G. CBP
 Corey, F.B. M
 Harter, Isaac M
 Mader, E.O. GOC
 Muskat, I.E. CMN
 Stoner, G.G. C

Bellevue

Geist, D.E. FGO
 Tanger, William OGB

Bellevue

Appleby, J.I. N

Berea

Dorcas, M.J. C
 Fulmer, E.L. G
 Longdon, Miss E.A. O
 Reed, J.F. GFN
 Unnewehr, E.C. B

Bluffton

Hirschler, E.J. AD
 Moon, Miss M'D. GFE

Bowling Green

Dickerman, E.E. FG
 Hall, W.H. CBA
 Martin, Clare CB
 Moseley, E.L. FGE
 Otis, C.H. FG
 Overman, J.R. AO
 Singer, W.E. BDA
 Slater, L.B. I
 Todd, H.B. NIK
 Tunnichiffe, R.M. QIF

Brecksville

Warner, M La Vinia .I

Burton

Ferry, Thomas C

Canal Winchester

Bareis, G.M. ABD

Celina

Spieler, A.J. CB

Chagrin Falls

Frohring, W.O. NC
 Jones, O.N. MOB
 Wyeno, Juro C

Chillicothe

Bower, R.E. N
 Ruff, H.T. CMB
 Traquair, John CB

Cincinnati

Abramson, D.I. N
 Adams, P.D. CN
 Alexander, L.M. BAM
 Allen, Samuel B
 Arensen, S.B. C
 Arlitt, Ada Hart HQ
 Austin, R.S. N
 Baber, E.A. N
 Balinkin, Isay A. B
 Barbour, G.B. E
 Bates, E.W. KOI
 Benjamin, J.E. NFI
 Bills, A.G. I
 Blankenhorn, M.A. N
 Bode, M.J. N
 Boyd, M.J. CN
 Brand, Louis ABD
 Braun, A.F. F
 Braun, E. Lucy G
 Brinley, F.J. F
 Brodie, R.K. C
 Brown, Samuel N
 Brown, W.E. N
 Bucher, W.H. E
 Carter, B.N. N
 Caster, K.E. EF
 Clifford, A.T. CBO
 Cobb, Miss Fabitha FG
 Colvin, J.W. NB
 Cook, E.S. CN
 Cooper, M.L. N
 Crane, James CM
 Dabney, C.W. ECK
 Dalve, J.A. MC
 Dhonau, C.O. N
 Diserens, C.M. IHK
 Dock, Howard C
 Dorst, S.E. N
 Doughty, Wm.M. N
 Dreyer, W.A. FGN
 Drucker, Ned MCB
 Dunham, Kennon N
 Eby, S.L. QI
 Eckstein, Gustav NFH
 Faig, J.T. M
 Felts, W.M. EMC
 Fenneman, N.M. E
 Fernald, Mabel IOH
 Ferris, E.B. Jr. N
 Fischer, M.H. N
 Flarsheim, E.S. N
 Forsbeck, F.C. N
 Foshay, Lee N
 Freiberg, J.A. N
 Fromm, E.P. N
 Fry, H.S. C
 Fulford, Miss M.H. EG
 Garber, H.J. MCQ
 George, Anthony C
 Gerwe, E.G. MC
 Goldblatt, Samuel N
 Goldman, Douglas N
 Good, C.V. QI
 Goosmann, Charles N
 Gowdy, R.C. BAM
 Green, M.W. NC
 Greene, H.S. CN
 Guest, G.M. N
 Hamburger, Morton N
 Heidelberg, George N
 Hendrickson, G. QI
 Herrmann, L.G. N
 Heyroth, F.H. CN
 Higberger, J.H. CN
 Hinnen, G.A. NFG
 Hirtle, D.S. CBA
 Hobson, L.B. FNC
 Hoppah, Ethel NCA

Cincinnati, Cont'd.

Horst, Paul IKO
 Hoskins, J.H. GE
 Hoskins, J.K. M
 Iglaue, Samuel N
 Jackson, D.E. Np
 Kehoe, R.A. Np
 Kersten, H.J. BAM
 Kile, Roy L. N
 Krug-Brady, Mrs O. IN
 Kuenzel, Miss M.W. I
 Lambert, Ray B
 Lang, Alphonse F
 La Valle, J.C.E. NTK
 LeBlanc, T.J. KFG
 Levine, B.S. CN
 Levine, Maurice NI
 Lillick, Lois C. G
 Lloyd, J.T. FNP
 Loofbouou, J.R. BCN
 Lurie, L.A. NTC
 McGuire, Johnson N
 Machle, Willard N
 MacMillan, H.W. Nd
 Malone, E.F. N
 Malone, John PNG
 Marsh, D.G. NpC
 Mathews, A.P. CNF
 Mills, C.A. N
 Mirsky, I.A. N
 Mitchell, A.G. N
 Moore, C.N. A
 More, L.T. B
 Morris, R.S. N
 Muegel, H.R. G
 Muchlmann, Paul AD
 Muhlberg, Wm. N
 Nippert, E.C. L
 O'Flaherty, Fred MNF
 Opp, C.J. CBF
 Pattison, C.E. Q
 Perry, J.C. F
 Pfister, Miss M. CM
 Presnell, A.K. N
 Purdy, W.C. FGN
 Rapoport, Samuel N
 Ray, F.E. CM
 Reed, R.F. C
 Reid, M.R. NO
 Rich, J.L. E
 Richter, Ernst N
 Robinson, H.W. C
 Rollman, M.E. MBA
 Rose, L.S. M
 Rueggesser, James N
 Sabin, A.B. N
 Salisbury, R.K. G
 Sanders, Miss A.W. ADE
 Schiff, Leon N
 Schmidt, Ida G. F
 Schmidt, L.H. NFC
 Schmieder, L. B
 Schott, W.R. NC
 Schroth, H.H. M
 Sisson, Chas. H. MCB
 Smith, Elliott DE
 Snoddy, A.O. C
 Solter, Walter B
 Sperti, G.S. NBC
 Springer, Alfred C
 Stewart, DeLisle D
 Strachley, C.J. N
 Streeter, E.W. MNA
 Talbert, E.L. HI
 Tashiro, Shiro CFN
 Tedesche, L.G. N
 Tour, R.S. M
 Trinkle, Fred N
 Tucker, D.A. N
 Vaughn, James J
 VonSchlichten, O.C. E
 Waldbott, Sigmund C

Cincinnati, Cont'd.

Walker, P.F. NpCB
 Wallace, E.W. NpCB
 Walters, Raymond Q
 Ward, Robert N
 Warren, M.R. NpFC
 Wedum, A.G. NC
 Weichert, C.K. F
 Werk, Louis C
 Wieman, H.L. F
 Wilson, M.M. CBN
 Wilson, O.T. GO
 Wolfman, W.H. N
 Yowell, E.T. DA
 Zwick, K.G. NCF

Circleville

Bosworth, A.W. CN

Cleveland

Ackerman, Lloyd FN
 Adams, E.Q. CBI
 Albrecht, G.M. BM
 Albright, J.G. B
 Aldrich, J.W. FG
 Anderson, R.G. FN
 Arnold, E.A. CMB
 Ayres, L.P. QK
 Bacon, F.J. GNC
 Baker, Ida M. A
 Barber, C.Glenn N
 Barthelme, C.H. DBC
 Batchelor, H.D. C
 Baxter, M.F. I
 Bayless, Francis N
 Beard, E.E. N
 Beck, C.S. N
 Bellamy, G.A. IKO
 Bemisderfer, F.R. Q
 Berger, S.S. NIF
 Bevers, PlexT. MOC
 Billingsley, F.Y. I
 Blumenfeld, C.M. NF
 Bodian, David NF
 Bole, Mrs. B.P. FGE
 Bule, B.P. Jr. FGE
 Booth, H.S. C
 Broadbent, B.H. NdIF
 Bunts, A.T. N
 Burlington, R. ABM
 Burk, R.E. C
 Burke, F.D. C
 Buttaph, L.J. BC
 Case, G.S. MK
 Charo, W.J. N
 Clausen, Fred N
 Cleveland, Miss M. C
 Cohen, M.B. N
 Cole, H.N. N
 Coleman, J.F. MQB
 Collett, Mary E. FN
 Colton, H.S. CM
 Considine, D.M. MCA
 Corlett, W.T. N
 Craig, P.H. BM
 Crile, G.W. N
 Cushing, F.H. N
 Dambach, Miss M.C. NCQ
 Davy, E.D. CN
 Delenk, W.N. N
 DeMarinis, Frank FC
 Devers, P.K. MCB
 Dice, Miss M.E. NCB
 Dietz, David DBF
 Doig, Miss I. IO
 Doull, J.A. N
 Eckerson, S.H. G
 Eddy, C.L. M
 Ellis, A.C. IO
 Elims, J.W. MCB
 Emeny, Brooks KEM
 Emmons, J.V. MCB
 Erf, H.A. B

Cleveland, Cont'd.

Ernstene, A.C. N
 Feil, Harold N
 Fiedner, Miss F. QFG
 Focke, T.M. ABM
 Forsythe, W.E. B
 Friedlander, S.O. N
 Front, Miss J. CNB
 Gardner, W.M. NdO
 Geib, F.J. CFN
 Gerstenberger, H.J. N
 Gerlach, George CGN
 Gibson, F.S. N
 Gillin, Miss G.M. FGD
 Glass, S.W. C
 Glasier, Otto B
 Goldblatt, Harry N
 Graff, A.R. MC
 Grant, U.S., III M
 Gray, J.C. F
 Green, H.W. KMN
 Greider, C.E. CBM
 Greulich, W.W. HN
 Grossenbacher, Otto N
 Guener, Hippolyte C
 Gurnee, Herbert I
 Gyorgy, Paul N
 Hang, A.T., Jr. GFO
 Haden, R.L. N
 Hall, C.S. I
 Hall, Mrs. C.S. C
 Harris, A.S. NIF
 Harris, J.P. FGL
 Hatlie, L.M.R. C
 Heath, Roy E. CBI
 Helm, E.B. C
 Herrick, P.H. F
 Herron, J.H. MBE
 Hersh, A.H. F
 Heymann, Walter NC
 Hill, T.J. Nd
 Hitchings, G.H. CN
 Hodgman, C.D. B
 Hoerr, N.L. NC
 Holden, Mrs. L.E. N
 Holladay, L.L. BM
 Hoover, P.L. MAB
 Horvorka, Frank C
 Huggins, R.A. F
 Hunscher, H.A. NC
 Ickes, Miss M. FIIG
 Ingalls, N.W. HNF
 Ingraham, E.S., Jr. N
 Janney, J.E. I
 Jeffries, Zay MC
 Johnson, H.H. N
 Joliat, J.S. CBE
 Kalin, Joseph N
 Karsner, H.T. N
 Kerbaugh, Miss J.L. CN
 Keyes, J.E.L. N
 Kline, B.S. N
 Kline, H.B. CAB
 Lankelma, H.P. C
 Leith, Andrew E
 Leutner, W.G. LKQ
 Lind, S.C. NTO
 Lowell, Frances IQ
 Lower, W.E. N
 Luckey, Miss B.M. IKO
 Luckish, M. BTM
 Lumer, Hyman F
 Lundin, C.A.R. D
 McCullagh, D.Roy N
 McCuskey, S.W. DAB
 Mack, C.O. PG
 Maltby, Miss A.B. NFG
 Maron, S.H. CBM
 Marshall, G.G. CEF
 Martin, W.L. M
 McGrail, E. N
 Miller, J.E. BCM
 Miller, D.C. BD
 Millis, John BDE

Cleveland, Cont'd.

Mize, R.C. BOA
 Moore, J.S. IQ
 Morris, Max A
 Mull, J.W. CN
 Musgrave, Myrl N
 Myers, G.C. FI
 Myers, V.C. N
 Nassau, J.J. A
 Neal, N.A. N
 Obenchain, J.B. NHI
 Oelschlager, J.M. NdEL
 Osborn, W.O. CM
 Parker, A.L. M
 Peskind, Arnold N
 Peskind, Samuel N
 Peterson, V.R. G
 Pfanstiel, Robert C
 Piel, Miss A.E. G
 Pomerene, Elizabeth C
 Porter, L.C. M
 Prian, Vasily D. MOA
 Price, W.A. NdC
 Pulsifer, H.B. CMQ
 Quiring, D.P. F
 Rasmussen, E.V. K
 Redfield, Charles IN
 Reichle, H.S. N
 Renner, K.R. NHF
 Ricker, C.W. MBC
 Roberts, W.A. CBO
 Roney, H.B. F
 Roohk, H.V. MBA
 Rubenstein, B.B. NTF
 Sawyer, C.B. CBM
 Schumacher, H.C. NI
 Schwartz, H.A. MCB
 Scott, R.W. NC
 Scripture, E.W., Jr. CMB
 Seaver, Gilbert M
 Seely, Warner D
 Sessions, F.L. MBC
 Sessions, W.C. MB
 Shibley, G.S. N
 Sidlo, T.L. CIN
 Siegel, M.L. N
 Silliman, F.E. QFG
 Simon, W.G. A
 Simpson, B.R. IO
 Smith, A.K. CB
 Smith, E.C. C
 Smith, Miss V.B. EKG
 Soilmann, T.H. Np
 Spease, Edward CNp
 Speer, H.E. NCK
 Stearns, H.A. B
 Stecher, R.M. N
 Stillson, W.C. Nd
 Sutton, R.C. K
 Taylor, Lester CTN
 Thomas, C.F. A
 Tinker, G.H. M
 Toomey, J.A. N
 Tower, O.F. C
 Travis, R.C. I
 Turnbull, David CB
 Visscher, J. Paul F
 Vollmayer, L.J. B
 von Fischer, Wm. CPO
 Vosmik, C.J. HND
 Waite, F.C. FN
 Ward, Samuel M
 Ware, E.E. CMO
 Watts, Mrs. N.P. N
 Wearn, J.T. N
 Wetzel, N.C. NAB
 Wheeler, Miss N.L. E
 White, T.H. KO
 Wickenden, W.E. MQ
 Wiggers, C.J. NBO
 Williams, A.B. FGE
 Winkler, J. Homer C

Cleveland, Cont'd.

Woodruff, Miss B.H. F
 Yeakel, E.H. F
 Columbus
 Abernathy, E.R. OI
 Akeroyd, Jos.H. NC
 Alexander, W.H. B
 Anacletus, Sister M. FG
 Angerer, C.A. F
 Atherton, J.B. MBA
 Barrows, W.M. F
 Bateman, J. Fremont N
 Baumgartner, L.L. FGO
 Baur, L.S. C
 Berry, C.S. QIK
 Birkeland, J.M. N
 Blake, F.C. B
 Blaydes, G.W. GOQ
 Blumberg, Henry A
 Boord, C.E. C
 Borrer, D.J. F
 Boyd, J.E. MB
 Bozler, Emil BN
 Brenholts, Roy M
 Brown, H.D. OG
 Brumley, O.V. N
 Burrell, R.C. CGO
 Burt, H.E. I
 Busch, K.G. COE
 Cahoon, G.P. QBC
 Caldwell, F.C. BM
 Campbell, F.L. F
 Capell, L.T. C
 Carman, J.E. E
 Chapman, A.G. GEO
 Charters, W.W. Q
 Christensen, B.V. GNC
 Clifton, Miss D.E. IQ
 Coburn, C.A. I
 Cotterman, C.W. FG
 Cottingham, K. E
 Crane, E.J. C
 Ciowl, G.S. G
 Croxton, F.C. C
 Cullen, Sister M.U. FGC
 Cullinan, Sister M.C. IO
 Cummings, W.H. OGF
 Cunningham, J.F. O
 Curtis, George NF
 DeLong, D.M. FO
 Depew, H.A. C
 Doan, C.A. N
 Dockeray, F.C. I
 Dodd, D.R. OQE
 Dunn, A.H. N
 Durrant, E.P. FN
 Edgerton, H.A. IQA
 Edwards, L.F. NF
 Erf, Oscar O
 English, H.B. IQH
 Evans, W.L. C
 Fernelius, W.C. C
 Fidler, R.S. N
 Fischer, R.P. IN
 Folk, S.B. MQK
 Fouik, C.W. C
 France, W.G. CBA
 French, T.E. M
 Garrett, A.B. C
 Gaw, E.A. IK
 Geist, R.M. FEN
 Gillin, John HKI
 Goddard, H.H. IO
 Goslin, Robert HF
 Goss, L.W. N
 Grossman, J.D. NF
 Grover, William CAN
 Growdon, C.H. I
 Hall, J.A. N
 Hamilton, F.E. C

Columbus, Cont'd.

Harder, O.E. C
 Hartman, F.A. FN
 Hayhurst, E.R. N
 Henderson, W.E. CO
 Herndon, L.K. CM
 Hicks, L.E. GFE
 Hirsch, Gustav M
 Hitchcock, Fred NF
 Hockett, Elmer C
 Hodge, E.S. CBD
 Hollingsworth, M. C
 Hoover, K.B. CN
 Howard, N.F. FO
 Hudson, N. Paul N
 Humphrey, S.S. G
 Huntington, C.C. EK
 Jones, C.H. GE
 Judd, Horace M
 Kennedy, C.H. F
 Kennedy, L.W. NIB
 Kerr, T.H. MO
 Kissane, R.W. N
 Kitchin, P.C. NdFG
 Knauss, H.P. B
 Knight, W.A. M
 Knouff, R.A. NF
 Knox, G.W. F
 Kostir, W.J. F
 Lamey, C.A. EM
 Lampe, Lois CFG
 Lande, Alfred B
 LaPaz, Lincoln ADE
 Lee, H.C. CEM
 Leighton, J.A. IHK
 Lewis, J.M. KHL
 Lewis, R.D. OB
 Liming, F.G. G
 Lumley, F.E. K
 McCaughey, W.J. CEB
 Mack, Edward, Jr. CB
 MacLachy, J.H. IO
 McPeck, Clayton N
 McPherson, Wm. C
 MacQuigg, C.E. MQ
 McVicker, M.H. OC
 Magill, M.A. CBN
 Manson, E.S. D
 Marquis, F.W. M
 Mater, Florence I
 Mattingly, H.E. FGC
 Maxfield, F.N. IO
 Mendenhall, E.W. KF
 Meyer, B.S. G
 Miller, D.F. FON
 Miller, J.A. FG
 Morgan, Richard H
 Morrey, C.B. FN
 Morris, C.T. M
 Moyer, H.V. CNO
 Nold, Harry EMO
 Okey, Perry BCD
 Olpin, A.R. BCO
 Orr, Glover L. CBO
 Osborn, Herbert FO
 Osborn, H.T. F
 Osburn, R.C. F
 Padden, Wendell O
 Paffenbarger, R.S. MQC
 Park, Jay B. GO
 Parker, M.M. INF
 Pence, J.O. MCA
 Peterson, Alvah F
 Pool, M.L. B
 Popham, R.A. GO
 Postle, Wendell Nd
 Powell, R.W. MB
 Pressey, S.L. IO
 Price, J.W. FN
 Price, Joseph N
 Purdy, R.C. CM
 Rado, T. A
 Rappalrie, J.H. I

Columbus, Cont'd.

Rasor, S.E. . . . ABO
 Renshaw, Samuel . HI
 Ring, D.T. . . . E
 Ring, G.C. . . . N
 Robinson, F.P. . . IQ
 Rosebrook, Wilda . IQK
 Russell, G.O. . . . BIL
 Russell, H.W. . . . BCA
 Sampson, H.C. . . . G
 Samuels, M.L. . . . CEM
 Scofield, H.T. . . . G
 Scott, Miss J.D. . . CBN
 Settles, J.C. . . . MAB
 Seymour, R.J. . . . NF
 Shetrone, H.C. . . . H
 Shinowara, G.Y. . . NC
 Sims, G.P. . . . NBL
 Singer, S.A. . . . A
 Slipper, John . . . OE
 Smith, Alphaeus . . . B
 Smith, Alva W. . . . B
 Smith, C.S. . . . NCO
 Smith, Guy, Harold . . C
 Snyder, L.H. . . . F
 Spieker, E.M. . . . E
 Starr, W.A. . . . N
 Steckle, L.C. . . . IFN
 Stinson, K.W. . . . MBO
 Stone, J.F. . . . M
 Stone, W.H. . . . POK
 Stout, Wilber . . . E
 Stover, W.G. . . . G
 Swartley, J.C. . . . O
 Taylor, W.A. . . . G
 Thomas, E.S. . . . FG
 Thomas, L.H. . . . BAD
 Tidd, W.M. . . . F
 Toops, H.A. . . . QIA
 Transeau, E.N. . . . G
 Tucker, H.H. . . . OCF
 Turnbull, W.D. . . . M
 Valentine, W.L. . . IFH
 Van Cleef, Eugene . EP
 Vivian, Alfred . . . CO
 Von Dach, H. . . . FGN
 Von Ohlen, F.W. . . . G
 Wacker, P.F. . . . CBA
 Waller, A.E. . . . G
 Wareham, R.T. . . . G
 Warner, E.N. . . . FG
 Winkoff, Miss H.L. . CNO
 Willard, C.J. . . . OG
 Williams, D.C. . . . M
 Winter, A.R. . . . NOC
 Wirth, H.E. . . . C
 Withrow, J.R. . . . CMP
 Wolfe, J.N. . . . G
 Wolf from, M.L. . . . C
 Woodin, G.C. . . . FEO
 Woolpert, O.C. . . . N
 Woodward, G. DeW. . N
 Wyer, S.S. . . . M
 Wylie, C.R. Jr. . . . A
 Yule, L.W. . . . NIK
 Zappie, C.A. . . . MCB
 Zirbes, Miss Laura . QI

Dayton

Beck, W.A. . . . GFB
 Biermacher, N. . . . CN
 Cassel, H.D. . . . NH
 Culler, A.M. . . . NBF
 Dambach, C.A. . . . FOG
 Dearolf, Kenneth . . F
 Dickerson, L.M. . . GFC
 Dwyer, H.A. . . . IH
 Flower, A.H. . . . CBM
 Fowler, Kenneth . . . N
 Friedel, F.J. . . . KIH
 Goldberg, M.M. . . . M
 Heyd, Josef W. . . . C
 Hochwalt, C.A. . . . CBM
 Hoerner, M.T. . . . N

Dayton, Cont'd.

Hull, H.B. . . . M
 Kemmer, P.H. . . . MBA
 Kessler, E.H. . . . MC
 Kettinger, C.F. . . . MBC
 Kittredge, H.G. . . . C
 Koch, W.R. . . . BAC
 Kosolapoff, G.M. . . CBA
 Lang, A.G. . . . G
 Malowan, John . . . C
 Metzler, S. . . . HQK
 Millette, J.W. . . . N
 Molz, F.J. . . . GFC
 Morris, H.E. . . . CMB
 Paschall, A.H. . . . OE
 Pittinger, C.B., Jr. . CBO
 Rappel, U.J. . . . MBA
 Rosenquist, E.N. . . CN
 Samaras, N.N.T. . . . C
 Schumacher, B.A. . . B
 Seyfried, A.P. . . . FGN
 Simpson, W.M. . . . N
 Thomas, C.A. . . . CBM
 Trusler, E.B. . . . CBE
 Weimer, F.C. . . . MBA
 Williams, H.M. . . . CM
 Wohlleben, W.J. . . . CM
 Wright, Orville . . . M

Cuyahoga Falls

Larrick, Lewis . . . B

Defiance

Arnold, Miss Clio . KIL

Delaware

Bobrovnikoff, N.T. . DBA
 Cherrington, E., Jr. . D
 Cooper, J.R. . . . E
 Fields, Paul E. . . . I
 Hahnert, W.F. . . . F
 Hynek, J.A. . . . D
 Jarvis, C.W. . . . B
 Manuel, W.A. . . . CO
 O'Neal, C.E. . . . G
 Rice, E.L. . . . F
 Rowland, S.A. . . . A

Dover

Schott, Eugene . . MAB
 Schwall, Eugene . . .

East Cleveland

Fehr, R.B. . . . MBC
 Phelps, G.S. . . . M
 Reed, K.W. . . . MKO
 Schroeder, O., Jr. . . KI
 Whitney, F.P. . . . Q

Elmore

Housley, C.R. . . . Q

Elyria

Hudson, Alfred . . NKC
 Rankin, J.P. . . . N

Euclid

Sykes, W.P. . . . M

Findlay

Dietsch, Miss M. . . IQK
 Heminger, I.N. . . ABO
 Morey, C.A. . . . C
 Roots, Y.K. . . . BA

Flat Rock

Kesselring, W.H. . . GF

Flushing

Ritchey, J.C. . . . C

Fostoria

Shellenberger, J.A. . CO

Gambier

Cummings, S.B., Jr. . I
 Johnson, E.H. . . . BLM
 Nelson, J.A. . . . F

Geneva

Burgess, Perry . . .

Glendale

Allen, D.T. . . . IFQ

Granville

Castle, W.A. . . . F
 Ebaugh, W.C. . . . COM
 Green, S.L. . . . CBD
 Ladner, A.C. . . . AB
 Lindsey, A.W. . . . F
 Morgan, G.D. . . . F
 Smith, L.E. . . . B
 Stickney, M.E. . . . G
 Wright, F.J. . . . E

Green Camp

Leach, Coe . . . ABC

Greenfield

Shimp, Wm.B. . . . IP

Grove City

Wickliff, E.L. . . . F

Hamilton

Barclay, E.H. . . . CBM
 Bradner, Donald . . . C
 Foster, M.G. . . . BA
 Taylor, W.P. . . . BCF

Harper

Lewis, C.H. . . . C

Hicksville

Bright, J.A. . . . CBD

Hilliards

Frasch, J.F. . . . GFO
 Weaver, J.H. . . . A

Hillsboro

Roads, Miss M.K. . . .

Hiram

Clarke, E.H. . . . AD
 McCullough, C.M. . . Q

Hudson

Allen, R.C. . . . E
 McGee, H.G. . . . M
 Trumbull, H.L. . . . BC

Ivorydale

Edeler, August . . CRA
 Miller, H.G. . . . NCO

Kent

Cunningham, H.A. . .

QGF

Dexter, R.W. . . . FG
 Harbourt, S.A. . . . FG
 Kelley, K.L. . . . FG
 Lotz, E.R. . . . IN
 Olson, David . . . E
 Rumold, C.F. . . . CBN
 Smith, R.H. . . . M

Lakewood

Fowerbaugh, C.C. . . I
 Fullerton, H.P. . . . M
 Gehring, H.A. . . . MB
 Kittelberger, A.S. . . BC
 Lafferty, Wheeler . . .
 Lawrence, W.G . . . CBD
 Longoria, A. . . . MNB

Lancaster

Bell, E.F. . . . IKQ

Leesburg

York, J.M. . . . FQ

Lockbourne

Anderegg, G.A. . . MBH

Lockland

Rieveschl, G., Jr. . CNA

McConnelsville

Ranney, Leo . . . M

Mansfield

Spandau, H.M. . . . MT

Marengo

Porter, H.L. . . . GOF

Marietta

Krause, E.B. . . . CBO
 Martin, C.H. . . . F
 Muscati, Pietro . . MBN
 Phillips, T.D. . . . B

Marion

Kling, E.L. . . . INC

Sawyer, C.W. . . . N

Marysville

Gebhardt, H.T. . . . CO
 Titus, R.W. . . . CN
 Williams, P.C. . . . O

Massillon

Motok, G.T. . . . MCB

Middletown

Hayes, Anson . . . CHI
 Parmele, H.B. . . . CO
 Roehl, W.H. . . . N

Milford

Bell, W.H. . . . CN
 Rockwell, G.E. . . . NCQ

Mount Saint Joseph

Corona, Sister M. . . . A
 McDonald, Sister E.S. . . GF

Sanche, Sister I. . . . C

Therese, Sister A. . . . AB

Nelsonville

Sharp, C.C. . . . M

Newark

Anderegg, F.O. . . . CB
 Bennett, W.H. . . . B

New Concord

Clarke, H.M. . . . I
 Mitchell, Robert . . . FCO
 Moses, C.F. . . . EHK
 Smith, J.J. . . . I

New Lexington

Short, F.R. . . . CQ

New Philadelphia

Dosch, Earl F. . . . EO
 Helmick, Miss L.E. . . CF

Niles

Dearth, O.A. . . . NFI
 Dewey, D.A. . . . C

North Jackson

Bridgham, C.M. . . . CG

North Lima

Goodwin, W.H. . . . FOI

Norwood		Piqua		Toledo, Cont'd		Wooster, Cont'd.	
Leucht, C.L.	C	Barker, C.A.	F	Cowan, R.J.	MBC	Hayden, C.C.	FO
Oberlin		Put in Bay		Cunningham, B.V.	OI	Hoffman, I.C.	O
Bradshaw, R.W.	N	Bodenlos, L.J.	FC	Ehrlich, L.B.	MB	Houser, J.S.	F
Budington, R.A.	F	Chandler, D.C.	FG	Flood, Sister M.A.	CGF	Howlett, F.S.	OG
Cairns, W.D.	A	Langlois, T.H.	FG	Gardiner, J.P.	N	Lamb, C.A.	OGA
Cani, F.E.	DAO	Trautman, M.B.	F	Gardiner, Will.	N	Neiswander, C.R.	F
Hibbard, Hope	F	Reynoldsburg		Hopfield, J.J.	B	Neiswander, R.B.	O
Holmes, H.N.	C	McOwen, Miss M.L.		Jaessing, Fred K.	C	Remp, Martin J.	IO
Hubbard, G.D.	E	GFC		Krieger, F.J.	CBA	Rogers, C.F.	CGO
Jones, G.T.	GFE	Rocky River		McCormick, E.J.	N	Salter, R.M.	O
Jones, Lynds	FG	Heise, G.W.		Macelwane, F.J.	N	Sayre, J.D.	G
McCullough, J.C.	CBI	CMB		Mercedes, Sister.	ABC	Secrest, Edmund	O
McEwen, Robert	F	Tindal, C.H.		Mogendorff, N.	G	Sharp, W.L.	IO
Rogers, C.G.	FIN	Rossford		Murphy, J.T.	N	Spencer, J.T.	GEF
Sears, P.B.	GO	Royal, Lester		Myers, U.H.	C	Spencer, W.P.	F
Snodgrass, J.M.	NBF	Salem		Padgett, J.E.	KBM	Stringfield, G.H.	OG
Steiner, L.E.	CB	Cobbs, Lea A.		Patch, L.H.	FG	Thomas, Roy C.	G
Stetson, R.H.	I	Cox, Mrs. E.T.		Pickard, Miss L.	FG	Tilford, P.E.	G
Taylor, L.W.	B	Cox, Mr. M.A.		Potts, J.C.	C	VerSteeg, Karl	E
Trucker, F.G.	B	King, L.W.		Ryan, J.D.	CMB	Vogel, M.A.	F
Weaver, H.E.	I	Sandusky		Schlossberg, Morris	F	Welton, F.A.	GO
Wilkins, E.H.	LO	Bliss, C.I.		Shaddock, H.A.	C	Westhafer, W.R.	B
Wooster, H.A.	K	FNA		Solberg, A.N.	FN	Williamson, C.O.	AD
Yeaton, C.H.	A	South Euclid		Stose, H.F.	CMB	Yanney, B.F.	ADQ
Youtz, R.E.P.	I	Blossom, Mrs. D.S.		Williams, G.	KIH	Young, H.C.	G
Oxford		Garvin, Sister M.C.		Troy		Worthington	
Anderson, W.E.	A	ABD		Hook, T.E.	QBA	Midgley, T., Jr.	C
Ashbaugh, E.J.	O	FAC		Johnston, Miss F.A.	NCF	O'Brien, H.R.	C
Bain, Read	KHI	Whitacre, F.M.		Warren		Raymund, B.	GNO
Belk, Miss Ethel	GCF	Springfield		Foster, E.S.		Wyoming	
Boesel, M.W.	F	Beaver, W.C.		M		Blair, F.W.	
Brill, H.C.	CNO	Bodenberg, E.T.		Westerville		CM	
Christofferson, H.C.	AO	Brubaker, E.R.		Clements, F.O.		Martin, W.S.	
Davis, B.M.	NF	Lawson, C.A.		Esselstyn, A.J.		CI	
Drill, Miss Edna	GFO	McGrew, J.B.		Glover, B.C.		Richardson, A.S.	
Edmiston, R.W.	QC	Morgan, J.W.		Hanawalt, F.A.		C	
Edwards, R.J.	B	Neuberg, M.J.		McCloy, J.H.		Uhrbrock, E.G.	
Evans, A.T.	G	Nystrom, W.C.		Mark, C.G.		IO	
Heckert, J.W.	OI	Schwarzbe, W.		Schear, E.W.E.		Uhrbrock, R.S.	
Hefner, R.A.	F	Shantzer, C.G.		Wilberforce		Yellow Springs	
Kieger, C.W.	CN	Tulloch, R.E.		Coleman, Robert		Barbulesco, C.D.	
McConnell, W.R.	EKO	Weaver, E.O.		Harris, E.L.		Burr, I.W.	
McNelly, W.C.	FN	Stuebenville		Lane, Mrs L.C.		Cape, Miss Jane	
Mattox, N.T.	F	Lyons, Miss E.L.		Lee, H.F.		CN	
Richardson, J.S.	OCB	Tiffin		Pyrtle, R.N.		IKO	
Rothermel, Miss J.E.	NF	Barnes, K.B.		Smith, W.L.		Hammond, W.A.	
Shideler, W.H.	E	C		Willoughby		FG	
Stark, O.K.	GN	Lyons, Miss E.L.		Rentschler, M.J.		CBE	
Tappan, A.H.	A	Willington		Hazard, F.O.		INman, O.L.	
Taylor, R.B.	IN	Hale, Kelley		Wilmington		FG	
Thompson, W.S.	K	Hazard, F.O.		Hale, Kelley		Leuba, Clarence	
Van Tassel, R.J.	IOK	Wooster		Hazard, F.O.		IHK	
Watt, Miss Lucy J.	FNG	Alexander, L.J.		Wilmington		KMO	
Williams, I.R.	NF	Bangham, R.V.		Hazard, F.O.		Nelson, V.L.	
Williams, S.R.	F	Barnes, E.E.		Wilmington		Owen, G.E.	
Wolford, J.J.	EH	Bowman, D.H.		Wilmington		B	
Painesville		Bach, Ernest		Wilmington		FIN	
Anderson, P.R.	OLK	Bachmann, F.M.		Wilmington		Sontag, L.W.	
Gault, H.J.	MAD	Bevin, Sydney		Wilmington		Swinnerton, A.C.	
Munn, Miss L.E.	C	Binney, R.L.		Wilmington		Youngstown	
Taylor, A.M.	GFN	Bowers, H.E.		Wilmington		Collier, W.D.	
Winters, Edna S.	FHI	Bowman, H.H.M.		Wilmington		N	
Perry		Coonen, L.P.		Wilmington		BA	
Beardslee, H.C.	GFE	Coonen, L.P.		Wilmington		CKN	
Ada		Coonen, L.P.		Wilmington		CB	
Mackin, J.G.	F	Coonen, L.P.		Wilmington		NFG	
Warren, W.D.	C	Coonen, L.P.		Wilmington		MAB	
Alva		Coonen, L.P.		Wilmington		Xenia	
Carter, T.C.	F	Coonen, L.P.		Wilmington		Davy, Leita	
Ardmore		Coonen, L.P.		Wilmington		N	
Tomlinson, C.W.	E	Coonen, L.P.		Wilmington		ACQ	
Von Keller, F.P.	N	Coonen, L.P.		Wilmington		Hilgeman, A.P.	
White, M.P.	EF	Coonen, L.P.		Wilmington		I	
Willard, Miss Kate	L	Coonen, L.P.		Wilmington		C	
Bartlesville		Coonen, L.P.		Wilmington		Chickasha	
Arutunoff, Armais	M	Coonen, L.P.		Wilmington		Bradbury, Miss D.	
Barton, H.M., Jr.	B	Coonen, L.P.		Wilmington		HIF	
Doan, R.L.	B	Coonen, L.P.		Wilmington		Shackleford, M.W.	
Gibson, J.D.	CPN	Coonen, L.P.		Wilmington		F	
Snow, R.D.	CMB	Coonen, L.P.		Wilmington		Boise City	
Boise City		Coonen, L.P.		Wilmington		Baker, Wm.E.	
Chickasha		Coonen, L.P.		Wilmington		HE	
Bradbury, Miss D.		Coonen, L.P.		Wilmington		Chickasha	
Pray, Ruth W.		Coonen, L.P.		Wilmington		Bradbury, Miss D.	
Shackleford, M.W.		Coonen, L.P.		Wilmington		HIF	
F		Coonen, L.P.		Wilmington		Shackleford, M.W.	
F		Coonen, L.P.		Wilmington		F	

OKLAHOMA

Ada		Ardmore		Bartlesville		Boise City	
Mackin, J.G.	F	Tomlinson, C.W.	E	Arutunoff, Armais	M	Baker, Wm.E.	HE
Warren, W.D.	C	Von Keller, F.P.	N	Barton, H.M., Jr.	B	Chickasha	
Alva		White, M.P.	EF	Doan, R.L.	B	Bradbury, Miss D.	
Carter, T.C.	F	Willard, Miss Kate	L	Gibson, J.D.	CPN	HIF	
Ardmore		Willard, Miss Kate		Snow, R.D.	CMB	Shackleford, M.W.	
Bartlesville		Willard, Miss Kate		Boise City		HE	
Boise City		Willard, Miss Kate		Chickasha		Bradbury, Miss D.	
Chickasha		Willard, Miss Kate		Bradbury, Miss D.		HIF	
Bradbury, Miss D.		Willard, Miss Kate		Shackleford, M.W.		F	
Pray, Ruth W.		Willard, Miss Kate		F		F	
Shackleford, M.W.		Willard, Miss Kate		F		F	
F		Willard, Miss Kate		F		F	
F		Willard, Miss Kate		F		F	

Drumright
Parker, Miss M. F

Durant
Blain, W. L. FG
Shaw, R. J. FC

Edmond
Derrick, G. E. FGO
Jones, Roy W. FNG

El Reno
Kaster, J. W. MBA

Enid
Boyer, M. M. FG
Knowles, F. E. BD
Tomlinson, L. E. KQI

Fort Sill
vonZelinski, W. F. NHL

Goodwell
McMillen, W. N. OFC

Guthrie
Arvin, Sister M. A.
Crane, A. H. FGQ
Tangney, Sister M. R. CAB

Hobart
Russom, V. W. EDB

Kaw
Boatright, R. G. CMB

Langston
Spaulding, M. F. OG

Lindsay
Jenkins, Miss R. O. AFB

McAlester
Brown, Miss Auval .. G

Muskogee
Whitaker, H. L. .. FG

Norman
Bender, J. F. Q
Bizzel, W. B. K
Bollinger, C. J. E
Bragg, A. N. FG
Bumstead, Chas. IKP
Burton, Miss H. B. CNF
Chance, H. L. G
Clements, F. E. H
Court, N. A. ADB
Cross, G. L. G
Decker, C. E. E
Dodge, H. L. BMH
Eigsti, O. J. GFC
Evans, O. F. EB
Fisher, Miss A. B. GN
Gerken, Clayton IQ
Gould, C. N. E
Hassler, J. O. ADQ
Hoisington, L. B. I
Johnson, V. O. FG
Melton, F. A. EI
Neill, A. J. N
Nielsen, J. Rud. BC
Ortenburger, A. I. F
Park, W. Z. HK
Perry, C. M. I
Richards, Aute F
Richards, M. H. F
Schriever, Wm. B
Self, J. Teague FE
Weese, A. O. F
Weidman, Samuel E
Wilson, M. O. IQ
Young, Miss Dixie F

Nowata
Warner, W. W. M

Oklahoma City
Abreu, Benedict NpFC
Campbell, C. H. NHI
Curtis, G. W. P
Everett, J. B. NC
Goldsmith, J. R. NF
Gordon, T. B. GO
Hellbaum, A. A. FN
Hunnen, A. V. FG
Lima, D. O. CBP
Long, LeRoy N
McMullen, D. B. FGN

Oklahoma City, Cont'd
Myers, R. E. N
Nagle, Patrick N
Perrine, Irving E
Reichmann, F. J. Nd
Richards, J. T. EMB
Sanford, J. T. E
Stemen, T. R. G
Thompson, Joe P. CBE
Wortham, K. A. F
Zahn, Fred H. MKO

Ponca City
Athy, L. F. E
Davis, L. L. CM
McCoy, Alex. W. E
Miller, Walter M
Zurcher, Paul ABC

Sapulpa
MacKay, Hugh E

Shawnee
Short, W. T. ADB
Winchester, A. M. FG

Stillwater
Cave, H. W. ONC
Chester, K. Starr GO
Cordner, H. B. OCG
Danielson, R. N. FNC
Donnell, P. S. MED
Durbin, F. M. B
Fenton, F. A. F
Gallup, W. D. ONC
Gernert, W. B. OGE
Harper, H. J. OC
Heston, B. O. C
Howell, D. E. FNO
Ireland, J. C. FG
Jaap, R. G. FNO
Maxwell, J. M. OFC
Muermann, J. C. QLI
Oboukhoff, N. MBA
Patterson, H. OKI
Pruitt, C. M. QCE
Purdy, D. I. CN
Rolf, Fred M. G
Sanborn, C. E. F
Smith, O. M. CQM
Stratton, Robert GO

Stillwater, Cont'd.
Tennyson, Miss G. G
Trimble, H. M. C
Webster, J. E. CGO
Whitenton, R. O. F
Willham, O. S. O
Willison, F. E. N

Tahlequah
Duncan, N. N. EQ

Temple
Sorge, W. A. BAC

Tulsa
Allender, Miss C. FG
Bass, N. W. E
Brown, M. W. INF
Case, Leslie C. ECM
Casler, Fred Q. MEA
Chase, H. D. F
Clark, F. R. EBA
Denney, E. C. O
Foley, L. L. E
Force, Miss E. R. FGO
Griffith, G. R. V. EMH
Hamilton, D. E. MCP
Hoffman, M. G. E
Jones, C. B. MEB
Knappen, R. S. EM
McLeod, L. S. I
Murray, A. N. E
Pauly, F. R. Q
Reisher, F. H. E
Riggs, R. J. F
Riter, S. W. EM
Rushmore, F. P. EFH
Wolf, Alfred BAD
Zorichak, J. J. MEC
Sibole, B. P. MKO
Wellman, D. C. E
West, S. S. BE
Westby, G. H. EBA
Wilson, W. B. E

Weatherford
Froman, Eula C.
Vrooman, Miss L. E. QIG

Woodward
Bell, M. A. OG

OREGON

Albany
Bishop, Geo. D. FGD

Ashland
Redford, Walter EQ
Wells, W. W. FG

Astoria
Carruthers, R. T. AH
Straumfjord, Jon V. N
Towler, E. D. F
Zimmerman, Mrs. H. K. FO

Baker
Wreissbach, R. H. NC

Burns
Platt, K. B. OG

Corvallis
Allison, Iras. E
Anderson, W. B. BDE
Atwood, W. M. G
Caldwell, W. E. CEM
Dana, Bliss F. G
Dornfeld, E. J. FGN

Corvallis, Cont'd.
Fasten, Nathan F
Fincke, M. L. CN
Friedman, Leo CBM
Gilbert, E. C. C
Gillfillan, F. A. CNF
Gilkey, H. M. G
Hansen, Elmer GO
Hilton, D. E. BE
Jones, J. S. CO
Laslett, H. R. IQ
Lawrence, W. E. G
Lewis, J. C. CGO
McLaughlin, W. T. GE
McMillan, F. O. M
McWhorter, F. P. G
Milne, W. E. A
Morris, Henrietta N
Mote, Don Carlos FL
Nattkemper, L. C. OG
Owens, C. E. G
Packard, E. L. E
Peavy, G. W. O
Powers, W. L. OC
Robinson, R. H. C
Ruffner, Benj. MBA
Sanborn, Miss E. I. GE

Corvallis, Cont'd.
Scullen, H. A. F
Simmons, J. E. N
Smith, J. E. EOQ
Stephenson, R. E. O
Stuhr, E. T. GNP
Swartley, Arthur ME
Taylor, Alfred FNC
Weniger, W. BCQ
West, L. E. CBM
Wiegand, E. H. CO
Williams, J. C. N
Wulzen, Rosalind NF

Cottage Grove
Stewart, C. E. G

Eugene
Caswell, A. E. B
Comish, Newell H. K
Cressman, L. S. HK
Crosland, H. R. GF
Detling, LeRoy E. I
Dohanian, S. M. F
Furrer, E. D. N
Howe, H. C. INQ
Hunter, F. M. IOQ

Eugene, Cont'd.
Kunz, A. H. C
McCabe, Francis FGM
Moore, A. R. FI
Norris, Will V. BC
Shinn, F. L. C
Smith, W. D. E
Stafford, O. F. C
Sweetser, A. R. G
Townsend, H. G. LO
Yocom, H. B. F

Forest Grove
Chamberlin, J. C. FG
Rockwood, L. P. FOG

Gardiner
Cole, H. I. C

Grants Pass
Treasher, Ray C. EM

Hood River
Childs, Leroy FG

Jasper
Bradway, E. M. CNF

Klamath Falls
 Rozendal, P. H. N
 Tison, A., Jr. EFG

Marshfield
 McKeown, R. M. N

Medford
 Carpenter, L. OM
 Johnson, A. N. N

Milwaukie
 Tracy, J. M. E

Monmouth
 Caldwell, V. V. IQ

Oswego
 Fenton, R. A. NQG

Portland
 Allen, W. F. N
 Bahr, A. M. N

Portland, Cont'd.

Bedwell, J. L. G
 Benson, R. L. N
 Brock, V. E. FEB
 Carmody, W. R. C
 Chailton, D. B. NC
 Childs, T. W. OG
 Cooper, H. C. Nd
 Curry, Bess. BQ
 Davenport, D. F
 Diack, A. W., Jr. N
 Diack, S. L. NMC
 Diamond, V. R. FG
 Dillehunt, R. B. N
 Ellis, R. H. NOI
 Firey, F. P. CN
 Fitzgibbon, J. H. N
 Goldenweiser, A. HKI
 Griffin, F. L. AK
 Griffin, L. E. F
 Hagquist, C. W. F
 Hodge, E. T. EM
 Hubert, E. E. G

Portland, Cont'd.

Hutchens, W. H. IN
 Istvanovic, A. L. F
 Jones, N. W. N
 Jullum, Henry. MEO
 Jurwitz, L. P. BEN
 Keen, F. R. FOG
 Kerr, W. J. GO
 Kimbrell, Geary. MEK
 Knerr, E. B. BCG
 Knowlton, A. A. B
 Kohlruess, F. J. FNO
 Larsell, Olof. NF
 Lodewick, J. E. G
 McDougall, G. F. MKQ
 McGrath, J. S. C
 Manville, I. A. N
 Marlatte, C. R. EMH
 Matthews, D. N. OMB
 Meany, J. M. EM
 Menne, F. R. N
 Merritt, M. L. OKG
 Miller, G. H. CM

Portland, Cont'd.

Muller, H. C. NKO
 Munger, T. T. OG
 Myers, Miss J. A. N
 Phatak, N. M. NpC
 Price, J. B. FIN
 Sears, H. J. N
 Simon, A. Gael. O
 Todd, W. R. CN
 Watts, L. F. OEG
 Weeks, J. E. N
 Weidenbaum, B. CM
 Wells, E. L. B
 West, E. S. CN
 Youmans, W. B. NF

St. Helens

Barton, J. C. N

Salem

Luther, C. F. ABD
 Peck, M. E. FG

PENNSYLVANIA

Abington
 Hughson, Walter N

Aldan
 Parmenter, C. L. F

Allentown
 Barnett, Miss R. NpC
 Billig, A. L. IQA
 Groff, J. C. M
 Hirst, Miss K. R. NEG
 Hixon, H. W. EDM
 Hoffman, H. F. NIM
 Klopp, H. I. IN
 Miller, H. E. GFN
 Pearson, J. C. MBP
 Pretz, H. W. G
 Schatz, W. J. EFO
 Shankweiler, J. V. F

Altoona
 Bower, Miss E. NA
 Brumbaugh, A. St. C. N
 Glover, L. P. NTE
 Wimmer, H. C. F
 Yoder, H. D. FGQ

Ambler
 Grave, J. H. CKI
 Hall, H. U. H
 Hodge, R. P. GF
 Miller, L. B. C

Annville
 Derickson, S. H. FG
 Light, V. Earl. FG
 Lynch, C. A. IQ
 Reynolds, O. Edgar. QI

Ardmore
 Babb, M. J. ADL
 Bachman, B. B. M
 Dewees, Lovett. IN

Arendtsville
 Steiner, H. M. F

Ashland
 Spencer, R. D. CFN

Avalon
 Johnson, C. M. C

Bala-Cynwyd
 Babcock, W. W. N
 Hiers, Glen S. C

Beaver

Gressly, O. E. MN

Beaver Falls

Bruce, H. A. FGQ
 Cleland, W. E. AB
 Hill, F. H. BEK
 McMillion, T. M. FNL

Beech Creek

Horne, W. D. CFO

Bellefonte

Ball, Mrs. R. S. IQK

Ben Avon

Grier, G. W. N

Berwyn

Atkinson, Miss M. GF
 Burns, F. L. F

Bethlehem

Bayley, P. L. B
 Beaver, J. L. MQB
 Bidwell, C. C. B
 Butler, T. J. NIK
 Butterfield, T. E. MBQ
 Diefenderfer, A. A. C
 Estes, W. L., Jr. N
 Ettinger, A. A. LKQ
 Ewing, Maurice. BEA
 Ewing, W. W. C
 Fisher, L. J. NFH
 Ford, Adelbert. I
 Fort, Tomlinson. A
 Fraser, D. M. E
 Fretz, A. H. E
 Gregg, J. L. M
 Hall, Mrs. M. B. F
 Hall, R. W. F
 Hassler, Roy D. CB
 Jenkins, W. L. I
 Laramy, R. E. EQ
 Meaker, Miss C. L. B
 Miller, B. LeRoy. E
 Neville, H. A. C
 Nieman, H. W. MB
 Reynolds, J. B. AMD
 Schultz, R. F. CP
 Sinkinson, Eric. C
 Small, L. L. AD
 Snavely, Benj. L. BM
 Snyder, Richard. C
 Thomas, Stanley. N

Bethlehem, Cont'd.

Ullmann, H. M. CMQ
 Van Arnam, R. N. DAB
 Whitcomb, L. E
 Willard, Bradford. E
 Williams, C. C. MB

Bloomsburg

Hartline, D. S. FGQ
 Kuster, K. C. FG

Blossburg

Brazda, D. S. FN

Bradford

Koon, Sister M. C. G

Bristol

Hollander, C. S. C
 Hutchinson, C. S. F
 Scott, J. P. NO

Bruceton

Denues, A. R. T. CBM

Bryn Mawr

Cope, A. C. C
 Crenshaw, J. L. C
 Dryden, Lincoln. C
 Gardiner, M. S. F
 Helson, Harry. IBF
 Horn, D. W. C
 Howard, Edgar B. EH
 Leuba, J. H. IHQ
 MacKinnon, D. W. IKN
 Oppenheimer, J. M. FN
 Pettit, Horace. NO
 Pew, A. E., Jr. C
 Taft, A. E. N
 Tennent, D. H. F
 Towle, Miss E. W. NF
 Wells, A. B. FGC
 Wheeler, Mrs. A. P. A
 Zirkle, R. E. NBG

Burgettstown

Sherockman, A. CQ

Bushkill

Bartram, E. B. G

Butler

Aaron, Isador. G
 Hopkins, E. F. G

California

Bontrager, O. R. QIA
 Gilland, E. G. EKO
 Oerlein, K. F. QB

Camp Hill

Gress, E. M. G

Canonsburg

Murray, W. W. C

Carlisle

Eddy, M. W. FG
 Fox, Leon A. NF
 Herber, E. C. F
 Norcross, W. H. I
 Thompson, R. I. QI
 Vuilleumier, E. A. C

Carlisle Barracks

Hume, E. E. N

Carnegie

Rome, Miss M. B. GF

Castle Shannon

Smith, William. FG

Chambersburg

Davison, Miss C. I. A
 Doan, John L. GFC
 Dudley, Miss J. F
 Krug, Miss K. N
 Peabody, E. FGE
 Weeks, D. W. BA
 White, Miss E. G. F

Charleroi

Stoneman, Wm. N. MC

Chester

Luckie, S. B. Nd

Chestnut Hill

Starr, Isaac. NFC

Cheswick

Chappell, E. L. CM

Cheyney

Calvert, P. P. F

Coatesville

Lambert, L. F. O
 Stoller, B. B. GOC

- Collegeville**
 Bancroft, W.W. ... HI
 Clawson, J.W. ... A
 Smith, L.K. ... C
 Tower, C.V. ... IHK
- Concordville**
 Styer, J.F. ... GCO
- Conshohocken**
 Labowskie, P.J. ... NIK
- Coraopolis**
 Chubb, C.F.
 Eugenia, Sister M. FGC
 Stafford, S.G. ... CMO
- Cresson**
 Madden, Sister M.G. ... CBA
- Dallas**
 Brickel, W.A. ... FGB
 Gallagher, Sister M.W. FGN
 Hughes, Sister M.C. ... B
 O'Connor, Sister M.C. CN
- Danville**
 Fry, F.D. I
 Hawley, S.J. N
- Devon**
 Witmer, Lightner ... I
- Dimock**
 Cope, F.R., Jr. ... FQO
 Norris, G.W. ... N
- Downingtown**
 Nichols, W.C. ... CNB
- Drexel Hill**
 Bancroft, G.R. ... CN
 Biddle, Anna E. ... IOH
 Cubbon, M.H. ... O
 Gibbons, C.H. ... MLB
 Green, W.P., Jr. ... C
 Sprague, J.M. ... CN
 Thomas, J. Earl ... N
 Ulrich, E.B. ... G
 Ward, Lenore ... FGI
- Easton**
 Balderston, Mark ... B
 Bingham, E.C. ... CB
 Caspari, Ernst ... F
 David, P.R. ... F
 Endres, H.A. ... C
 Fink, George ... BMA
 Iiter, H.A. ... E
 Klein, W.H. ... MCB
 Koerner, H.E. ... EFD
 Kotz, Adam L. ... N
 Love, C.H. ... CBM
 Nusim, M.J. ... M
 Smith, W.M. ... A
 Ward, Freeman ... E
- East Pittsburgh**
 Chubb, L.W. ... M
 Condon, E.U. ... BCM
 Hellmund, R.E. ... MP
 Hetenyi, Miklos ... M
 Stepan, Joseph ... BMC
 Wagner, C.F. ... MB
 Way, Stewart ... MBA
- East Stroudsburg**
 Corvett, Miss M. ... CO
 Kinsell, L.W. ... NTH
 LaRue, D.W. ... Q
- Eddystone**
 Gezelius, Roy A. ... BCM
- Elkins Park**
 Griffith, Ivor ... CNp
 Long, Bayard ... G
 Niederhauser, W.S. CB
- Ellwood City**
 Brownstein, B. ... MPA
- Emporium**
 Kievit, Ben, Jr. ... BMN
- Erie**
 Brevillier, Mrs. A.W. ...
 Bullard, H.H. ... N
 Coon, W.E. ... EQ
 deWitt, Wallace ... E
 Hilditch, W.W. ... N
 Krack, E.J. ... BM
 Krummel, M.A. ... C
 Parsons, J.L. ... BCP
 Sevin, G.K. ... F
 Sweadner, W.R. ... FGN
 Thorn, Sister D. ... CN
 Wells, E.D. ... ABM
 Wilbert, Sister M.P. ... FG
- Farrell**
 Cooley, Miss S. ... GFN
 Hummer, Miss B. ... A
- Feasterville**
 Levy, H.S.
- Fogelsville**
 Warmkessel, C.A. ... E
- Fort Washington**
 Roberts, E.J. ... CIK
- Germanatown**
 Wahl, Manfred ... GO
- Gettysburg**
 Bowen, R. Earl ... F
 Sloat, C.A. ... C
 Stover, C.B. ... CGB
 Woods, J.W. ... OA
- Glen Mills**
 Rheuby, V.G. ... NF
- Glen Olden**
 Glenn, John, Jr. ... N
 Hampill, Miss B. ... NC
 Huebner, R.A. ... NO
 Moore, M.L. ... CN
- Glenside**
 Bock, L.H. ... CN
 Graham, J.H. ... CBN
 Kuehner, Q.A. ... O
 McKay, John ... CBM
 Patterson, J.O. ... CAD
 Sturgeon, W.E. ... CNF
- Greensburg**
 Koppitz, C.G. ... M
 McKee, C.W. ... N
 Meyer, Miss J. D. ... C
 Reeves, J.A. ... I
 Scott, Sister F.M. ... F
- Greenville**
 Bradshaw, G.R. ... BQC
- Grove City**
 Wood, A.G. G
- Harrisburg**
 Ashley, G.H. ... EF
 Coover, Carson ... NFK
- Harrisburg, Cont'd.**
 Guyton, T.L. ... F
 Hackbusch, Miss F. ... INK
 Henschen, G.N.C. ... EB
 Jacobs, M.W., Jr. ... AI
 McDonnell, J.F., Jr. ... NpC
 Masters, F.M. ... MBC
 Newland, T.E. ... IOH
 Noble, C.M. ... MEB
 Pearson, Robert ... M
 Sandy, W.C. ... N
 Stone, R.W. ... E
 Waugh, K.T. ... IOH
 Whited, Willis ... MAB
- Hatboro**
 Adams, J.R. ... MBA
- Hatfield**
 Michels, N.A. ... NF
- Haverford**
 Alderson, Wroe ... K
 McLean, C.F. ... BFK
 Madeira, P.C., Jr. ...
 Meldrum, W.B. ... C
 Pratt, H.S. ... F
 Sharples, P.T. ... CDE
 Thomas, A.H. ... C
 Wilson, A.H. ... A
 Winsor, Henry ... BFG
- Hazleton**
 Foldes, Julius ... N
 Herpel, Coleman ... AB
 Pardee, Frank ... GM
- Hershey**
 Hinkle, S.F. ... C
- Holicong**
 Rand, H.A. ... ID
- Holland**
 Degener, L.M. ... NF
- Hollidaysburg**
 Jones, L.B. ... M
 McDonnell, M.E. ... C
- Huntingdon**
 Crummy, P.L. ... FNQ
- Immaculata**
 Gertrude, Sister M. ... KOP
 Grogan, Sister A.M. ... BA
 St. Bernard, Sister M. ... CNP
- Indiana**
 Smyth, Thomas ... F
- Jenkintown**
 Barnes, E.J. ... IQK
 Bergstresser, K.A. ... FG
 Cutright, P.R. ... FH
 Gilroy, Miss H.T. ... B
 McDonnell, J.N. ... Np
 Redding, C.S. ... NCB
 Scull, C.W. ... N
 Snodgrass, L.E. ... NFC
 Wolf, H.A. ... M
- Johnstown**
 Crichton, A.B. ... M
 duPont, B.T. ... MKC
 Hay, George ... NIP
 Snyder, Geo. E. ... F
 Wirtner, M. ... F
- Kane**
 Heimbach, J.M. ... N
- Kingston**
 Davis, G.B. ... NF
 Matthews, C.H. ... M
 Soroka, S.G. ... O
- Kirkwood**
 McKenney, R.E.B. ... CGN
- Kutztown**
 Beard, H.C. ... CO
- Lancaster**
 Atlee, J.L. ... NFH
 Bennett, W.O., Jr. ... BM
 Carroll, Michel ... F
 Cattell, Jaques ... F
 Charles, R.L. ... BAM
 Coventry, F.A. ... F
 Fry, H.M. ... BAM
 Heller, H.A. ... CBA
 Hopkins, G.E. ... CM
 Laird, N.P. ... KIL
 Lewis, M.A. ... BCA
 Luckey, G.P. ... B
 Mermod, C. ... NF
 Miller, L.B. ... BCM
 Parks, L.J. ... CBA
 Paschke, Herbert CMB
 Rohrer, R.B. ... C
 Schaeffer, J.A. ... MC
 Schiedt, R.C. ... F
 Vogt, C.C. ... C
 Wenrich, C.N. ... B
 Whitely, P.L. ... IQ
 Widmyer, J.H. ... C
- Langhorne**
 Grave, C.E. ... I
 Mackmull, G. ... FNG
- Lansdale**
 Lapp, W.S. ... COG
- Lansdowne**
 Carter, J.D. ... CFE
 Flosdorf, E.W. ... CNB
 Harrison, J.W.E. ... CNQ
 Irwin, F.W. ... I
 Lloyd, P.T. ... N
 Munch, J.C. ... NpCF
 Proskouriakoff, A. ... C
- La Plume**
 Morris, Samuel ... F
- Latrobe**
 Clark, LeRoy V. ... CN
 Costello, M.H. ... IQ
 McKenna, P.M. ... HC
 Wenstrup, E.J. ... FG
- Laurelton**
 Vanuxem, Mary ... I
- Lawrenceville**
 Presper, Miss M.L. ... C
- Lebanon**
 Schaack, M.F. ... CBG
- Lewisburg**
 Davis, F.G. ... O
 Eyster, W.H. ... G
 Fetherston, J.T. ... CBM
 Garman, W.D. ... MB
 Irland, G.A. ... MBA
 Lowry, W.N. ... BMD
 Rice, J.W. ... NGQ
 Simpson, F.M. ... B
 Stewart, N.H. ... FN

- Lincoln University**
 Cole, W.R.BD
 Johnson, GeorgeF
 Williams, J.L.F
- Llanerch**
 May, A.J.GF
- Lock Haven**
 Baker, W.E.B.CBG
 Stemple, J.F.BCD
 Ulmer, L.J.EGF
- Loretto**
 Idzkowsky, H.FCN
- McKees Rocks**
 Kulik, StephenNCF
- Manoa**
 McNabb, W.M.C
- Mansfield**
 Doughton, Isaac .QKI
 Gwinn, C.W.K
 Stout, C.L.EQ
- Marcus Hook**
 Sisson, W.A.CBG
- Meadville**
 Buckingham, G.E. ...Q
 Carvelli, J.E.CO
 Darling, C.A.EFG
 Jaffe, HansvonR. .BC
 Morris, H.J.C
 Rhinesmith, H.S. ...C
 Tyner, H.D.C
- Mechanicsburg**
 Brown, G.V.CMB
 Strong, W.W.BI
- Media**
 Eksergian, R.MBA
 Hartline, H.K.NFB
 Kerr, W.M.K
 Kuznets, SimonK
 Rawson, A.J.NB
 Shaw, R.T.CQO
 Shirley, Mrs. M.C. GC
- Merion Station**
 Blake, Miss S.A. BAD
 Brown, C.L.N
 Child, C.G.ME
 Croncy, S.H.M.N
 Eberhard, H.M.N
 Gibson, J.H.N
 Miller, F.R.N
 Wolferth, C.C.N
 Zentmayer, W.NFK
- Monaca**
 Long, C.C.CMB
 Martiens, PaulMA
- Morrisville**
 Patrick, J.C.C
- Mt. Lebanon**
 Edlund, D.L.MBC
 Rosanoff, M.A.C
 Smith, M.W.K
- Moylan**
 Pennell, F.W.G
- Munhall**
 Toy, F.L.M
- Narberth**
 Bolton, T.L.HI
 Carroll, F.B.G
- Narberth, Cont'd.**
 Claghorn, Allan .FGB
 Dohan, F.CurtisN
 Robertson, W.M. ABD
- New Castle**
 McAfee, W.K.MBC
 Maigraf, W.A.QBC
 Riggs, W.A.EMD
- New Kensington**
 Brown, P.A.I
 Jetter, L.K.M
 Miller, M.A.CBM
 Stumm, R.G.MAB
- New Hope**
 Carson, J.R.AB
- Newtown**
 Clark, Miss B.M. ...B
 Deubler, E.C.ONG
- Newtown Square**
 Fertig, H.H., Jr. .NFB
 Spitz, A.N.DQ
- New Wilmington**
 Clark, W.A., Jr.NI
 Freeman, Charles ...C
 Moorhead, J.G.B
 Orr, JohnLKH
 Swindler, J.A.B
- Nickelville**
 Rumberger, G.G. CMN
- Norristown**
 Genkins, M.H.NCF
 Gottschall, R.J.K
 Lukens, H.T.Q
 Rathmell, T.K.N
- North Wales**
 Saylor, M.A.NC
- Norwood Station**
 Sweely, J.S.BC
- Oakmont**
 Elsey, H. McK.CBL
 Stotz, N.I.CEB
- Oreland**
 Wilson, B.J.MQA
- Overbrook**
 Goudsmith, A., Jr.N
- Palmerton**
 Batchelor, R.P.N
 Miller, N.F.CP
- Paoli**
 Jordan, C.W.CN
 Marks, L.H.CN
 Pemberton, R.NCH
- Petrolia**
 Lofton, W.M., Jr.C
- Philadelphia**
 Adams, C.A.BMO
 Addison, W.H.F.FN
 Aiguier, J.E.N
 Albert, E.J.M
 Allen, H.B.M
 Allen, Mrs. M.G.FN
 Alpers, B.J.N
 Alsentzer, H.A.C
 Altaker, R.R.N
 Angulo y Gonzalez, A.W.FN
 Appleton, J.L.T.Nd
- Philadelphia, Cont'd.**
 Aronson, J.D.GN
 Aronson, R.S.N
 Ashley, Montagu, M.F.OIL
 Austin, J.H.NCF
 Bacon, E.W.KNO
 Bardy, JosephQ
 Bareuther, C.A.BCA
 Barnes, JamesB
 Barnett, JohnCAB
 Barol, AlfredNCB
 Barton, S.G.DA
 Batson, Mrs. E.H.N
 Batson, O.V.N
 Bauer, J.T.N
 Bazett, H.C.N
 Beardsley, E.J.G.N
 Beck, L.V.NFC
 Beecham, C.T.N
 Behnke, J.A.FGC
 Beinhart, E.G.GOK
 Bell, Miss L.EK
 Benner, W.M.G
 Bennett, GeorgeN
 Berger, Miss E.W.N
 Berman, JosephEO
 Bernheimer, A.W.NFE
 Bernstein, RalphN
 Beutner, R.Np
 Biddle, J.G.BM
 Billings, J.H.MKB
 Bird, W.F.N
 Bishop, D.W.FG
 Blanchard, Phyllis .I
 Blumenthal, D.GNC
 Bockus, H.L.NHF
 Boeshore, IrwinG
 Bohn, J.L.B
 Bonine, C.E.MEC
 Bonn, N.E.BMC
 Borden, Miss L.F.GF
 Bower, J.O.N
 Boyd, G.A.BCF
 Boyer, CarlG
 Braceland, F.J.NI
 Bradbury, S.NGH
 Bradley, R.C.Np
 Brewer, George .NFC
 Briglia, F.J.N
 Bronk, D.W.BN
 Brotemarkle, R.A.I
 Brown, C.P.CN
 Brown, G.H.NMQ
 Brown, R.D., Jr. .MBA
 Bunting, MarthaF
 Burnham, E.L.BEH
 Burr, C.W.N
 Burriss, Z.W.CBA
 Busch, H.P.CE
 Butts, D.C.A.B
 Byrnes, E.F.FG
 Cajori, F.A.N
 Cantarow, A.NCG
 Cantor, A.NCF
 Capp, S.B.KO
 Carson, H.L., Jr. .FGH
 Chamberlain, W.E. NB
 Chambers, L.A.FCM
 Chaney, N.K.CBM
 Chittenden, A.S. HNQ
 Chouke, K.S.HN
 Church, G.MEA
 Churchill, H.R.Nd
 Clark, E.L.N
 Clark, E.R.NF
 Cohen, S.S.N
 Collins, D.A.N
 Colomb, H.O.NIK
 Coman, D.R.N
 Comroe, B.I.N
 Connor, RalphC
 Cook, Miss P.L.G
- Philadelphia, Cont'd.**
 Cooke, M.L.M
 Cooper, D.A.NK
 Cope, T.D.B
 Couch, J.F.CFG
 Cox, J.L.MOG
 Crider, J.O.N
 Cullen, Miss A.M. FGH
 Cunningham, R.W.NpCI
 Currie, T.R.HNI
 Custer, R.P.N
 Cutler, J.W.N
 Cutler, L.E.CNB
 Darling, H., Jr. .BDA
 Darrah, J.B.MEI
 Daughenbaugh, P.J.CN
 Davis, G.I.CFN
 DeCarlo, JohnN
 deReny, G.S.N
 Dickerson, R.E.E
 Diehm, Margaret M. N
 Dike, P.H.B
 Diller, Mrs. I.C.F
 Diller, W.F., Jr. .F
 Dillon, E.S.N
 Dingle, E.W.Nd
 Drant, PatriciaN
 Dressler, O.NFG
 Drueiding, Caspar ...C
 Dunham, J.H.IQ
 Dunn, M.S.GF
 Easby, Mary H.N
 Ebert, JosephCN
 Edgar, D.E.CE
 Ehrenfeld, Frederick E.
 Elliott, K.A.C.NC
 Elwood, E.S.NOI
 Emmons, H.W.BCA
 Eshner, A.A.N
 Evans, H.B.ADM
 Farris, E.J.FN
 Fay, MarionN
 Fay, TempleN
 Feirer, Wm.A.N
 Fels, S.S.N
 Fender, Miss F.S. ...G
 Fernberger, S.W.I
 Ferris, S.W.CBE
 Fisher, Miss M.J.FG
 Flaherty, J.A.N
 Flynn, J.L.GFO
 Fogg, J.M., Jr.G
 Forbes, R.D.OG
 Fox, HerbertN
 Frazer, JohnCO
 Friedman, Mrs. R.M.NF
 Gabel, A.B.NdBA
 Gamber, OscarCN
 Garner, V.C.NDF
 Gault, E.S.NHQ
 Gershenfeld, Louis NC
 Getz, H.R.N
 Goetzenberger, R.L. M
 Goldberg, Woolf .CBA
 Goodspeed, A.W.B
 Gordon, AlfredN
 Gordon, Hans C.QI
 Grainger, T.H., Jr.NCF
 Greenbaum, S.S.N
 Greishemer, Miss E. N
 Grizzell, E.D.Q
 Grossman, L.I.N
 Gruber, C.M.NpC
 Guttman, S.A.N
 Hadley, Miss H.A.BGO
 Hafkesbring, Miss R. N
 Hamblock, L.C.N
 Hamilton, R.H., Jr. .C

Philadelphia, Cont'd.

Hamly, Miss R. . . . NCB
 Hansen, Lorenz . . . CNO
 Harbison, Miss A. . . E
 Harned, B. K. . . . NpC
 Harnwell, G. P. . . . BA
 Harris, S. E. . . . NH
 Harveson, M. E. . . . B
 Hastings, W. S. . . . NCH
 Haury, V. G. . . . NpC
 Hebard, Morgan . . . F
 Heilbrunn, L. V. . . . F
 Helwig, Edwin . . . F
 Hewson, William . . . NLE
 Hinchey, Miss M. C. . . F
 Hires, H. S. . . . FIQ
 Hitchcock, Miss F. R. M. . . CE
 Hitchens, A. P. . . . N
 Hober, R. O. . . . N
 Hodge, C. Jr. . . . F
 Hoffman, Olive . . . NCF
 Holroyd, Roland . . . G
 Horwitz, A. . . . FGC
 Howarth, H. A. S. . . . MH
 Howell, W. O. . . . CK
 Huber, J. F. . . . N
 Hunter, R. J. . . . NLF
 Hutchinson, W. G. . . . GN
 Isben, Maxwell . . . N
 Israel, S. L. . . . N
 Ivy, R. H. . . . N
 Jackson, R. W. . . . CN
 Jacobs, M. S. . . . N
 Jacobs, M. H. . . . NF
 Jaffe, Haym . . . AIH
 James, Frederic . . . Nd
 Jaret, Milton . . . M
 Jonas, Leon . . . N
 Jones, L. F. . . . KHI
 Josephita, Sister M. . . C
 Kapp, F. T. . . . N
 Karr, W. G. . . . CN
 Katz, Israel . . . CP
 Keat, T. J. . . . HN
 Kelly, H. T. . . . F
 Keen, M. F. . . . F
 Ketterlinus, E. . . . I
 Kilpatrick, M. . . . CBO
 King, Helen D. . . . F
 Klein, Daniel . . . CN
 Klein, Louis . . . CFM
 Kornblum, Karl . . . N
 Kowalczyk, S. A. . . . FGN
 Krieger, K. A. . . . CB
 Krumbhaar, E. B. . . . NL
 Laird, D. A. . . . I
 Lambert, A. J. . . . NO
 Lange, Linda B. . . . N
 Laplace, L. B. . . . NF
 Laramy, Miss M. L. . . FG
 Larson, Edward . . . Np
 Lavine, T. F. . . . CN
 Leatherman, C. D. . . . I
 Leeds, M. E. . . . B
 Lehman, Walter . . . CM
 Leighninger, W. B. . . CB
 Levitt, I. M. . . . DBM
 Levy, L. F. . . . BC
 Lewis, Brother G. . . . B
 Lewy, F. H. . . . NH
 Lieber, M. M. . . . N
 Livingston, A. E. . . . Np
 Lodholz, Edward . . . N
 Loeb, M. D. . . . E
 Loeb, V. A. . . . N
 Long, E. R. . . . N
 Love, T. J. . . . B
 Lucase, W. W. . . . C
 Lucke, Balduin . . . N
 Ludlum, S. DeW. . . . N
 Ludwig, E. H. . . . GE
 Lukens, H. S. . . . CQM

Philadelphia, Cont'd.

Lurie, M. B.N
 Lutz, Wm. F.IN
 Lynch, F. B., Jr. . . . N
 McCarthy, M. D. . . . F
 McCaulley, Selinda . . I
 McClendon, J. F. . . . CN
 McClung, C. E. . . . F
 McCough, G. F. . . . N
 McCoy, Sister M. E. . . FG
 McCoy, R. H.C
 McCutcheon, Morton N
 McCutcheon, T. P. . . C
 Macfarlane, J. M. . . . G
 McGlone, Bartgis . . . FN
 Mackenzie, G. W. . . . NHI
 McMillan, T. M. . . . N
 Madeira, P. C., Jr. . . .
 Magill, W. H.QIK
 Marshall, R. K. . . . D
 Martin, Albert, Jr. . . FGD
 Martin, H. M. . . . FN
 Mason, J. A.H
 Medes, Miss G. . . . CN
 Meeker, G. H.C
 Mendelson, Walter . . N
 Meranze, D. R. . . . NCF
 Metten, J. W.BFM
 Metz, C. W.F
 Miley, GeorgeNpO
 Miller, Ellis CN
 Miller, M. V.MBO
 Miller, Miss R. B. . . . BQG
 Miller, T. G.N
 Mitchell, H. H. . . . A
 Mollenhauer, W., Jr. . . OGK
 Moon, V. H.N
 Moore, ElinorNCF
 Moore, J. P.F
 Moore, Miss L.AQ
 Morgan, S. R.I
 Morton, H. E.NC
 Mudd, StuartCFN
 Murphy, MilesI
 Myers, J. W.BM
 Nassau, C. F.FN
 Nathanson, Yale . . . IHK
 Norris, R. F.NF
 O'Neill, Emmett . . . K
 Ornsteen, A. M. . . . NI
 Osk, Arthur CN
 Owens, A. A.OI
 Padis, NicholasNHI
 Paton, Julia B. . . . GCN
 Patterson, Miss M. C. . . FGQ
 Postel, A. W.E
 Powell, Miss N. P. . . NG
 Pressman, Ralph . . . NGF
 Presson, J. M. . . . FGO
 Price, Albert N
 Prinz, Hermann . . . Nd
 Ougley, J. A. M. . . . FGL
 Raiziss, C. W.CN
 Ramsay, A. J.NF
 Randolph, EvanFN
 Ratcliffe, H. L. . . . FN
 Ravdin, I. S.MCB
 Reckert, C. H., Jr. . . . N
 Rehn, H. J.KIQ
 Rehn, J. A. G.F
 Reimann, H. A. . . . N

Philadelphia, Cont'd.

Reimann, S. P.N
 Rhinelander, F. W., II . . N
 Richards, A. N. . . . Np
 Richards, H. C. . . . BA
 Riesman, DavidN
 Rigling, AlfredM
 Roak, H. C.C
 Robb, EldaNCI
 Robertson, H. F. . . . NOI
 Robertson, W. E. . . . ACN
 Rorer, J. T.ADQ
 Rose, MiltonNKO
 Rosen, E. K.IQK
 Rosenberger, R. C. . . . IIN
 Rosengarten, G. . . . BAD
 Rosenthal, OttoCN
 Rotondaro, F. A. . . . CGN
 Rowntree, L. G.N
 Safford, F. H.ABD
 Salom, P. G.BCI
 Samson, Meyer CN
 Sanders, J. G.F
 Saunders, Lawrence N
 Schaeffer, A. A. . . . F
 Schaeffer, Bobb . . . FEH
 Schaeffer, J. P. . . . NFH
 Schaeffer, C. W. . . . C
 Schiff, L. I.B
 Schively, A. F.GFE
 Schively, Mary A. . . . HN
 Schlesinger, F. W. . . . D
 Schlumberger, H. G. . . . NFL
 Schmieder, R. G. . . . F
 Schock, A. C.DAB
 Schramm, J. R.GN
 Scott, Mrs. D. B. McE. . . NCF
 Scott, JohnNI
 Seibert, F. B.NC
 Seifriz, WilliamGC
 Sevag, M. G.CN
 Shay, HarryN
 Shinn, O. L.C
 Shirley, H. L.GO
 Shrader, J. E.B
 Shull, H. H.C
 Sindoni, A. Jr.NCB
 Singer, E. A., Jr.O
 Skeen, J. R.GCB
 Skoss, S. L.LHK
 Small, J. C.N
 Smith, F. L., IINCM
 Smith, J. A.N
 Spaeth, Wm. L. C. . . . N
 Spaulding, E. H. . . . N
 Spiegel, ErnestIN
 Spiegel, Adolf, M. . . . CN
 Stabler, R. M.FN
 Steckbeck, D. W. . . . G
 Stein, I. M.BKM
 Stevens, HaroldICN
 Stiles, M. H.N
 Suteler, C. A.QG
 Stokes, J. H.N
 Stokes, J. R.N
 Strecker, E. A.NIH
 Strickler, AlbertNBC
 Stroup, F. P.C
 Struse, T. B.NFG
 Teahan, R. W.N
 Thwing, C. B.BDH
 Tocantins, L. M. . . . NFL
 Trenner, Simeon . . . NB
 Trumper, MaxNC
 Twitmyer, Edward . . . IQ
 Tyson, F. T.CBN
 Ungemach, Miss D. D. . . CFO
 Urbaitis, J. C.NI
 Vellner, EugeneC
 Viteles, M. S.I

Philadelphia, Cont'd.

Vollrath, A. J.C
 Wagoner, George . . . IIN
 Waldie, Miss A. T. . . . BCA
 Warren, H. S.FNG
 Warren, S. K., Jr. . . . BMN
 Wastl, HeleneN
 Weiherbach, Miss L. A. . .
 Weissenberg, R.G
 Wells, W. F.MN
 Wenrich, D. II.F
 Weston, J. K.NFI
 Weyl, CharlesM
 Wheery, E. T.CEG
 White, E. P. C.NI
 White, E. J.C
 Whiting, Mrs. A. R. . . . F
 Whiting, Phineas . . . F
 Why, Miss E. T.CFG
 Wichterman, R. . . . FNG
 Wilcox, W. D.NFG
 Williams, S. C.FNI
 Wilson, D. W.N
 Winchell, A. V.NBE
 Witlin, B.NCF
 Wood, H. C., Jr.GNp
 Woody, ThomasQLK
 Wooster, C. B.C
 Wright, S. L.CNO
 Yarnall, D. R.M
 York, H. II.G
 York, Mrs. M. T.GF
 Zieker, I. T.N
 Zieber, BartonCBA
 Zink, ConwayG

Phoenixville

Wetherill, H. E.NBm

Pittsburgh

Allen, A. J.BCN
 Almy, L. H.C
 Arnold, H. C.ABC
 Arnold, S., IIIMBC
 Avinoff, A.F
 Babcock, D. E.CBA
 Baggeley, Ralph . . . EM
 Baird, A. C.AD
 Barach, J. H.N
 Birch, R. E.CBA
 Barrett, E. P. . . . E
 Barrett, L. P. . . . E
 Barton, J. P.MB
 Bass, L. W.CK
 Beal, G. D.CN
 Berl, ErnstC
 Biggert, F. C., Jr. . . . M
 Birch, R. E.ECL
 Bishop, F. L.BM
 Black, R. M.MKE
 Blackwood, Oswald . . B
 Black, F. C.C
 Boreman, R. W. . . . BMC
 Botset, H. G.BC
 Boucek, A. J.N
 Bowman, J. G.N
 Brennan, J. I.MPO
 Brown, C. E.CNB
 Brownlee, R. II. . . . COM
 Buckner, C. A.QIK
 Burns, KevinDAB
 Burrell, G. H.CMN
 Busch, D. A.E
 Cadena, F.MCK
 Cameron, J. M.N
 Caplan, HermanN
 Carr, M. L.MPB
 Cassidy, J. P.H
 Chenaault, R. L. . . . MB
 Chornyak, JohnN
 Christy, G. L.M
 Coles, H. W.C
 Conway, K. B.K

GEOGRAPHICAL INDEX

1091

Pittsburgh, Cont'd.

Cowley, E.B. ABD
Cox, G.J. C
Crawford, S.C. F
Cretcher, L.H. C
Daniel, Zaccheus D
Daniels, F.C.T. CBO
Davis, G.E. BFN
Davis, J.D. C
Devoll, Lee BMA
Dewey, P.H. CBM
Dines, L.L. A
Dodds, Neal NdB
Doherty, R.E. QM
Donaldson, J.C. N
Doutt, J.K. FGE
Dunkelberger, T.H. CBA
Dysart, P.M. BMQ
D'Zmura, A.P. N
Eavenson, I.L.N. M
Eckhardt, E.A. B
Eller, E.R. EFG
Elliott, W.S.
Elwood, Mary I. I
Ely, S.B. M
Emig, W.H. G
Estermann, I. B
Ewald, R.F. MB
Exline, P.G. MBA
Fettke, C.R. CEM
Finn, J.B., Jr. F
Fisher, C.G. C
Fitzpatrick, II, H. MBH
Flick, F.B. C
Foote, P.D. BMC
Forkner, F.A. A
Fox, J.I. M
Friesell, P.C. Nd
Frocht, M.M. M
Fullwood, C.T. C
Gabbert, M.R. Q
Gardner, J.W. BAE
Garnier, J.B. CM
Gay, Malcolm BM
Gealy, W.B. EMC
Giardini, G.I.
Gilmer, B.von H. I
Goldthwait, C.F. C
Goodale, S.L. M
Gongler, K.A. NdF
Graham, I.I.W. M
Grater, R.C. N
Gray, J.S. IK
Greenslade, G.R. BMC
Greenwald, I.I.P. BME
Griffin, H.C. CMQ
Grondahl, L.O. BCM
Gruse, W.A. C
Guild, L.R. KOI
Gulley, M.G. EM
Guthrie, C.C. Np
Hamor, W.A. CNP
Hance, R.T. F
Harvey, C.K. EMA
Harvey, F.A. MBE
Haythorn, S.R. N
Heald, K.C. E
Heldenburg, O.F. COP
Held, O.C. I
Helmbold, T.R. NCK
Henius, Holger CBQ
Henn, A.W. F
Henry, L.E.R.K. GFE
Higbee, Edna F
Hirsch, Miss J. DL
Hollinger, J.A. QGE
Hooker, D. FNH
Howe, T.D. G
Hower, H.S. B
Hughes, R.O. QIK
Humphrey, T. N
Huntley, L.G. E
Hutchisson, E. BMC

Pittsburgh, Cont'd

Hutson, P.W. Q
Jackson, Miss M.L.
Jacobs, A.L. C
James, E.S. FG
Jennings, O.E. QI
Jones, G.E. GE
Jordan, W.N. C
Jordan, F.C. DAB
Jung, F.W. CBA
Kahl, Hugo F
Karpov, A.V. MAB
King, C.G. CNO
Kruze, T. Np
Kuhl, H.J. CM
Lanfear, Mrs. L.H. GF
Lang, H.L. N
Laudig, J.F. C
Leitch, R.D. M
Letner, H.R. BCA
Linn, J.G. N
Locke, Arthur CN
Lowry, H.H. CB
Lytle, W.O. BCM
McClelland, E.H. Q
McCombs, Miss L.F. NO
McCready, William N
McGregor, R.R. C
MacLachlan, A.A. N
McLain, P.L. Np
McLean, M.E. CB
McTaggart, J.R. K
Margolis, O.S. FG
Mehl, R.F. CBM
Meisel, E.G. N
Meller, H.B. BDM
Mellon, Ralph N
Menten, M.L. N
Merrill, F.S. M
Michener, Wm.H. B
Miller, A.C. FOG
Monroe, Marion I
Moore, D.P. MBC
Morehead, J.C. AB
Morris, F.S. DIN
Muldoon, H.C. CNQ
Muskat, Morris BAC
Myers, T.H. EM
Nelson, W.L. CN
Netting, M.G. F
Nettleton, L.L. B
Newlon, H.T. COB
O'Brien, Sister L. deP. NpC
O'Connell, C.L. Np
O'Donnell, Sister M.L. C
Olds, E.G. A
Oliver, J.W. L
O'Reilly, Sister M.F.X. F
Orr, A.H., Jr. CBD
Palmer, E.M. B
Patton, L. C
Phillips, N.H. GF
Porter, P.K. C
Prine, C.W. B
Rand, W.P. EMB
Reiser, O.L. QIB
Reiss, Miss R.H. LO
Remlinger, J.E. Nd
Riggs, N.C. AM
Rittman, W.F. M
Ritzman, O.F. BMA
Rogoff, J.M. IN
Rosenbach, J.B. ABC
Rugg, W.S. M
Rupert, F.F. CB
Ryan, J.T., Jr. MK
Saalbach, Louis CNpB
Saklatwalla, B.D. C
Schmidt, L.D. CB
Schoen, Max IQ

Pittsburgh, Cont'd.

Schrenk, H.H. CN
Schrero, Morris
Schwartz, C. CNO
Scott, Howard MB
Seltz, Harry CB
Setterstrom, Carl CGM
Shaffer, L.F. IQH
Sherrill, R.E. E
Shinn, L.E. NCG
Shiras, Miss A. N
Silverman, A. CO
Simon, R.J. F
Slater, W.A. C
Smith, G.W. CAB
Smith, R.T. CBO
Smyth, H.F., Jr. NC
Snowden, R.R. N
Spencer, H.L.
Stahl, K.F. C
Stern, Otto B
Stieren, Edward N
Strickler, H.S. CN
Sumstine, D.R. G
Swirble, J.L. N
Swan, T.H. C
Tatman, J.L. MCE
Taylor, F.A. CN
Taylor, J.S. A
Teagarden, F.M. IO
Theiss, Miss M.E. E
Thiessen, Gilbert CEM
Thomas, E.U. MPC
Thomas, H.A. M
Thompson, A.P. CM
Thompson, C.L. ME
Thorpe, H.E. BCN
Tipson, R.S. CNP
Tolmachoff, I.P. EMQ
Torrey, R.G. N
Triche, Andrew IMN
Troelsch, H.W. MBA
Utley, F.B. N
Venable, Emerson CN
Venable, W.H. MB
Venable, W.M. BME
Wagman, N.E. D
Walton, J.P. BDC
Warga, Mary E. BDC
Watson, J.R. N
Weidlein, E.R. CMB
Weinberg, M.H. N
Welbourn, J.T. B
Wendt, E.F. M
West, J.R. MCA
Williams, S.H. F
Wolf, E.A. F
Work, W.R. MB
Wright, G.J. N
Yant, W.P. CBN
Yoakam, G.A. O
Young, G.H. CNB
Ziegler, C.E. NG
Zugsmith, Robert Nd

Pittston

Berry, J.W. M

Port Allegany

Jordan, J.W. CB

Pottstown

Nicholson, S.T., Jr. N

Pottsville

Holtzinger, A.H. CIN

Richards, Howard MPQ

Sheafer, A.W. M

Punxsutawney

Lorenzo, F.A. N

Quakertown

Feigley, H.P. N

Radnor

Newkirk, Mrs A.M.F. GIF

Paxson, O.S. F

Reading

Bower, Miss J.W. A

DeLong, B.H. CMP

Essick, C.R. N

Horn, C.A. N

Mengel, L.W. EF

Walton, G.W. GE

Wilkins, Hans GEH

Ridley Park

Bates, H.H. MAB

Bonnet, F., Jr. C

LeMaistre, F.J. CM

Moss, S.A., Jr. CM

Swinehart, J.L. FQ

Vose, R.S. CM

Rosemont

Brillhart, R.E. GNC

Donovan, Miss M.K. GF

Easby-Smith, Mother M. Mildred FIH

Nichols, M.L. FGQ

St. Marys

Ellefson, B.S. CMB

LeGrys, H.J. CMB

Sandy Lake

Coolley, J.C. NIH

Sayre

Perry, S.P. N

Scottdale

Smith, H.A. ABC

Yoder, Edward L

Scranton

Ketcham, H.H. MBC

Milkman, L.A. BN

Morgan, Sister M.S. C

Pritham, G.H. CN

Raymond, M.L. BCQ

Redding, L.G. N

Reinhard, E.G. F

Stanaka, W. FGH

Wolf, L.N. F

Selinsgrove

Fisher, G.E. CO

Scudder, F.W.S. FGN

Sewickley

Fieger, Rebecca L. I

Sharon

Bellaschi, P.L. BMA

Strandrud, H.T. MBA

Sharon Hill

Wardle, H.N. HE

Sharpsburg

Fortino, Salvatore N

Shields

Morrow, J.D.A.

Shillington

Fencil, C.F. FG

Shippensburg

Johnston, Jean V. CNB

- Simpson**
Tarris, D. BCA
- Slippery Rock**
Lady, C.H. AD
Waldron, R.A. G
- Souderton**
Roxby, J.B. N
- State College**
Anderson, A.K. CNO
Anderson, E.J. F
Anthony, R.D. OG
Beach, W.S. G
Bernreuter, R.G. QI
Betts, E.A. Q
Black, Alex. CON
Borland, A.A. O
Boucher, R.V. CON
Bramble, W.C. G
Carpenter, C.R. I
Chambers, W.G. HQ
Champlin, C.D. QIH
Clarke, W.S., Jr. GOF
Cohen, Miss T. A
Curry, H.B. ABF
Davey, W.P. BC
Davis, H.M. CB
Davis, K. KHI
Dengler, R.E. LG
Dotterer, R.H. I
Duncan, D.C. BAM
Dusham, E.H. F
Dutcher, R.A. C
English, P.F. F
Farris, N.F. O
Forbes, E.B. CO
Fries, J.A. CNO
Frank, O., Jr. A
Frost, S.W. F
Garber, R.J. GO
Gordon, W.G. CN
Gau, F.V. OGC
Green, G.R. GFO
Guerrant, N.B. CN
Haber, V.R. F
Haber, Mrs. V.R. GF
Hammond, H.P. M
Harris, C.L. MAB
Hechler, F.G. M
Henning, W.L. OFG
Herring, Virgil C
Hodgkiss, H.E. F
Honest, A.P. E
Huffington, J.M. OG
Kelly, J.P. GOF
Kern, F.D. G
Kirby, R.S. G
Kriss, Max NOC
Krynine, P.D. E
Landsberg, H. EBM
McCormick, Miss A. CNF
McGrew, R.V. CNB
Mack, P.G.B. C
Mack, W.B. OG
Marquardt, C.E. L
Mavis, F.T. MA
Miller, H.J. G
Moody, Ethel I. A
Myers, C.E. GO
Newman, G.B. FNO
Norris, B.S. MCB
- State College, Cont'd.**
Owens, F.W. ABM
Oyler, J.R. CN
Padgett, Ina N
Phillips, C.R. C
Pfelemer, W.H. B
Popp, H.W. G
Rose, Arthur C
Runkle, E.W. I
Simons, J.H. CB
Sinden, J.W. GO
Smith, F.R. B
Smith, Janice M. CNF
Smith, O.F. B
Sullivan, J.T. CGO
Swift, R.W. N
Thomas, Walter GCO
Todd, F.C. MBA
Torrey, H.C. B
Trabue, M.R. IQ
Varteressian, K.A. CMB
Voris, A. LeR. CN
Wainio, W.W. OCN
Watts, R.L. O
Weaver, P.C. O
White, M.W. B
Whitmore, F.C. C
Woodruff, E.C. BMD
Worthley, H.N. F
Yuster, S.T. CBE
Zundel, G.L. G
- Stroudsburg**
Smith, H.S.S. M
- Swarthmore**
Brown, R.L. C
Campbell, C.B. MBA
Creighton, H.J. CB
Crutchfield, R.S. I
Dresden, Arnold A
Elmore, W.C. B
Enders, R.K. FN
Irving, Laurence NF
Kent, R.H. CB
Kille, F.R. FNG
Kline, J.R. A
MacLeod, R.B. IH
Marriott, R.W. DBA
Miller, J.A. AD
Palmer, S.C. G
Pitman, J.H. DAB
Smith, J.R. EFG
Speight, H.E.B. OK
Swann, W.F.G. AB
vandeKamp, P. DAB
Wagner, E.C. CN
Worth, C.B. FO
Wright, W.R. B
- Swiftwater**
Graham, L.J. CNA
- Swissvale**
Sorensen, A.J. M
- Tamaqua**
Holst, W.H. CBA
Soltzberg, Sol C
- Tarentum**
Stilwell, E.F. F
- Taylor**
Lloyd, H.F. FGH
- Titusville**
Roberts, E.T.
- Towanda**
Swindells, F.E. CB
- Trappe**
Brownback, J.H. F
Hiltebeitel, A.M. A
- Upper Darby**
Bruce, O.C. OC
Gatton, V.H. CNp
Holcomb, R.C. N
Hoyt, J.E. BQC
Jones, J.P. GO
LaLande, W.A., Jr. C
McDonough, D.L. A
Olivier, C.P. D
Shohat, J.A. ADK
Wanner, H.E. CEO
Wasum, L.W. CP
- Valencia**
Root, W.T. IQK
- Valley Forge**
Hudson, H.L. NFG
- Villanova**
Curwen, Alice O. NF
Dougherty, J.M. N
McClain, J.A. F
Roberts, H.R. F
- Wallingford**
Alleman, Gellert C
Bazzoni, C.B. B
Tedesco, A.E. OCF
Underwood, J.E. CBD
- Warren**
Capell, R.G. MCA
FitzSimons, O. CMB
Lindsey, Edward HK
- Washington**
Atchison, C.S. A
Bell, R.M. B
Bert, O.F.H. AD
Frazier, J.E. CMP
Maxfield, E.K. LHI
Osterman, G.B. F
Pietenpol, C.J. B
Porter, H.C. GFE
Shaub, H.C. ABD
Wright, A.H. C
- Wayne**
Bradbury, R.H. C
Warwick, C.L. M
- Waynesburg**
King, V.P. NCI
Lively, C.C. IO
Stewart, P.R. GFE
- Wernersville**
Hill, S.S. NIE
- West Chester**
Braddock-Rogers, K. CO
Glenner, F.R. C
Gordon, R.B. GOE
Hogue, Mary J. FN
Rettew, G.K. CGO
Treznice, W.J. FGA
- West Grove**
Wiggam, D.R. CM
- West Nanticoke**
Heyer, F.W. N
- West Newton**
Mitchell, Claude QI
- Westtown**
Johnson, T.H. B
Rhodes, W.W. A
- Wilkes-Barre**
Lanyon, W.L. NCB
Tasker, R.C. F
- Wilksburg**
Brown, J.W.
Darbaker, L.K. FGNp
Gano, H.S. M
Jackson, C.B. C
Leighton, Henry E
Nadai, A. MAB
Schlesinger, Miss C.R. NCB
Schwarz, W.E. MC
Vandegrift, Earl N
Wahl, A.M. MBA
Wright, W.H. Ndf
York, A.M. MNE
- Williamsport**
Cook, A.M. NIK
Wincoff, T.E. AFG
- Windber**
Orris, J.A. N
- Wycombe**
Woodman, Miss E.A. FG
- Wyncote**
Bailey, L.H. K
Clark, J.H. N
McGinnis, C.S. B
- Wynnewood**
Behney, C.A. N
Cook, G.W. DBM
Reichel, John N
- Wyomissing**
Hopkins, L.W. MBC
- York**
Farquhar, Francis M
Holtzapple, G.E. N
Menges, Franklin C
Roberts, R.H. MBC
Russell, R.J.
Wiest, H.J. NpCF

PUERTO RICO

Hato Rey	Rio Piedras	Rio Piedras, Cont'd.	San Juan, Cont'd.
Martinez-Rivera, E. NL	Alberts, H.W. OG	Roque, Auturo GO	Koppisch, Enrique .. N
Mayaguez	Bevan, Arthur ... OKG	Silva, Alfredo IO	Rodriguez-Molina, R. N
Bashierov, Samuel ... F	Bueso, Facundo ... BAC	Soto, J.B. LQI	Schmidt, F.O. IOK
Carrero, J.O. CO	Buso, Mrs. H.E.A. GNF	Velazquez de Maceo, ... GNF	Tomlin, M.I. FIH
Cowles, H.T. CO	Collazo, Mrs. A.M.D. FHN	Mrs. Josefa ... GNF	Totti, Etienne ... MNE
Guiscafre-Arrillaga, J. G	Cook, M.T. G	Walters, F.C. I	
Izquierdo, L.A. OGK	Fernandez-Garcia, R. COG	Wolcott, G.N. F	Santa Isabel
Kevorkian, A.G. GO	Garcia-Diaz, J. FGQ		Aponte, J.I. CNp
Lee, H.A. GO	Holdridge, L.R. GO	San German	
Menendez-Ramos, R. CO	Kenrick, G.W. BAM	Palmer, Boyd F	Santurce
Moore, R.H. GOC	Kuschke, C.G.P. ABM		Cabrera, Garcia . NCF
Mota, C.C. M	Martorell, L.F. FOG	San Juan	del Toro, Jorge N
Pennock, William ... G	Melendez, E.N. ... NpGF	Asenjo, C.F. CNG	Morales, L.M. NIH
Plank, H.K. FCO	Nolla, J.A.B. G	Axtmayer, J.H. CBN	Perez, M.A. NKA
Puerta de Tierra	Osuna, J.J. Q	Bachman, G.W. N	Romero, A.S. M
Gray, R.W. BD	Pagan, F.M. GOF	Cook, D.J. C	Vasquez, J.R. BKM
	Ramirez-Torres, O. CBA	Cordova, R.G. ABE	
	Rodriguez, A., Jr. Q	Davila, C.C. MA	Yauco
		Font, J.H. N	Amill, J.A.
		Hoffman, Wm.A. F	
		Jimenez, E.S. MBK	

RHODE ISLAND

Barrington	Kingston, Cont'd.	Providence, Cont'd.	Providence, Cont'd.
Cummings, A.D. C	Gilbert, B.E. GC	Cross, P.C. CB	Saxl, E.J. BMC
Block Island	Goggin, Miss L.J. NFI	Delabarre, E.B. IH	Schlossberg, Harold IF
Madison, H.L. F	Hunter, F.R. F	Dick, Miss E.A. G	Smiley, C.H. DA
Bradford	Odland, T.E. O	Ducasse, C.J. IAO	Snell, W.H. G
Stark, Mary B. ... FGN	Parks, W.G. C	Eddy, Brayton ... FQO	Staff, E.J. N
Charlestown	Smith, J.B. OGC	Farnsworth, H.E. B	Stuart, C.A. NBC
Sands, H.C. G	Stene, A.E. FO	Focke, A.B. BDE	Swain, L.E. NGA
Cranston	Narragansett	Foster, L.S. CBO	Taylor, I.R. FN
Haggenmacher, J.E. CBM	Hazard, D.L. EB	Garnell, A.W. M	Troppoli, A.V. N
Springs, J.D. CBM	Newport	Graham, C.H. IN	Van Hoesen, H.B. L
East Providence	Belmont, Perry	Hunt, J. McV. IHN	Walter, H.M. CBO
Russell, W.W. C	Eppey, Marion BC	Hunter, W.S. I	Walter, H.E. F
Edgewood	Pawtucket	Kenerson, W.H. M	Weston, Miss M.D. G
Stanton, R.E. FG	Hays, C.E. BM	Kraus, C.A. CB	Wilcox, Miss A.W. FGO
Hamilton	Hoffman, F.W. D	Lindsay, R.B. BA	Wilder, Miss M.C. F
Patterson, I.W. M	Providence	Lindsley, D.B. I	Wilson, Mrs. J.W. F
Kingston	Anderson, E.G.E. CN	Lownes, A.E. GOL	Wilson, J.W. F
Adams, G.E. O	Archibald, R.C. AL	Maguire, C.A. MEA	Wing, E.S. N
Barlow, John F	Banta, A.M. FGH	Manning, H.P. A	Wulsin, F.R. HKL
Batchelder, E.L. CNF	Baylis, C.A. KAI	Marshall, A.E. CM	Ziegel, H.H. CIN
Browning, H.W. CG	Beckwith, Mrs. D. I	Mead, M.A.A.W. HFO	
Chase, Miss M.E. CNQ	Bird, Miss G.E. I	Mead, A.D. FGH	Riverside
Cheadle, V.I. G	Bowman, R.O. NC	Messinger, H.C. N	Eddy, L.C. M
Coggins, G.L. B	Brown, C.W. E	Midgley, A.L. Nd	Tiverton
Durham, C.B. FG	Cady, W.H. C	Miller, C.W. B	Chace, F.A. N
Ebbs, Miss J.C. NFI	Calfee, John C	Mitchell, P.H. NFC	Wakefield
Fish, C.J. FE	Callender, W.R. KNF	Otis, A.B. FO	Durfee, C.H. IO
	Chambers, R.F. C	Phalen, H.R. A	West Barrington
	Charbonnel, E.A. BN	Precourt, J.G. NBC	Brown, R.M. E
	Church, G.L. G	Putnam, H.C. NO	West Warwick
	Cofer, C.N. IH	Quinn, A.W. E	Brant, Miss L. BAD
		Quirk, A.L. BAO	
		Rakestraw, N.W. CNO	
		Richardson, R.G.D. A	
		Robbins, Miss E. CFB	
		Sawin, F.B. FOH	

SOUTH CAROLINA

Charleston	Charleston, Cont'd.	Charleston, Cont'd.	Clemson, Cont'd.
Bragg, Miss L.M. HQ	Lunz, G.R., Jr. F	Slocum, H.J., Jr.	Berly, J.A. F
Cable, Miss L.E. FEH	Lynch, K.M. N	Smith, N.F. B	Calhoun, F.H.H. EOG
Clement, A.C. F	Martin, F.N., Jr. NpFG	vande Erve, John NKI	Collings, G.H. OEG
Donahue, J.K. F	Metcalf, Isaac F	Wade, B.L. GOF	Cooper, H.P. OGC
Dye, L.A. A	Nolte, Miss H.G. NF	Zeigler, W.H. Np	Earle, S.B. O
Hanson, A.W. B	O'Driscoll, W.C. FNI		Edmond, J.B. O
Harris, P.L. CNO	Pollitzer, Miss M.L. OGF	Clemson	Huff, L.D. B
Hoch, J.H. NpGC	Poole, C.F. OGF	Albert, W.B. GO	Hunter, H.L. CB
Hughes, Horatio CB	Prout, W.A. CNp	Armstrong, G.M. GO	LaMaster, J.P. HO
Johnson, F.B. NCQ	Remington, R.E. CN	Arndt, C.H. G	Musser, A.M. OG
Kinard, F.W. NCQ		Aull, W.B. GON	Sherman, Franklin .. F

Clemson, Cont'd.

Taylor, F.H.G
 Upholt, W.M.FO
 Wise, G.H.OC

Clinton

Fish, H.S.F

Columbia

Coatney, G.R.FG
 Copenhaver, J.E. .CNB
 Crow, O.F.O
 Gibbs, J.H.N
 Ham, Coyt.IKL
 Hoy, W.E.FN
 Jackson, J.B.AD
 McKaig, N., Jr.CO
 Mayne, BruceFN
 Morse, JosiahI
 Petty, J.J.E

Columbia, Cont'd.

Roller, E.M.CON
 Schayer, Isadore ..NO
 Smith, L.L.E
 Taber, Stephen ..EMC

Florence

Evans, W.H.G
 Graham, T.W.G
 Salters, L.B.N

Georgetown

Ward, Granville ...PC

Greenville

Earle, B.H.N
 Grassy, R.G.EM
 Ives, S.A.GF
 McPherson, J.A. .M
 Riddle, C.D.F

Greenville, Cont'd.

Sampey, J.R., Jr.C
 Thorp, E.M.EC

Greenwood

Haskew, C.A.CBM

Hartsville

Agnew, D.C.IO
 Dickinson, G.M., Jr. CB
 Matthews, Miss V.D. .G
 Mills, J.E.C
 Wilds, G.J.OGK

Moncks Corner

Blizzard, A.W.GF

Newberry

Park, JamesCB
 Trabert, C.L.KLO

Rock Hill

Hess, Miss M.FG
 Naudain, G.G.CBQ
 Potter, Miss I.FG
 Terry, E.I.E

Spartanburg

Buie, T.S.OE
 Eargle, D.H.EOG
 Fuller, G.L.EO
 Hagge, H.P.OPG
 Lauderburn, D.E. OGE
 Sawyer, E.L.F
 Tabor, PaulO
 Williams, E.A.FG

Sumter

Morse, S.F.OME

SOUTH DAKOTA**Aberdeen**

Jensen, J.H.C

Brookings

Brown, G.L.ADB
 Metzger, W.I.NCG
 Miller, W.L.G
 Moxon, A.L.CFG
 Poley, W.E.OC
 Severin, H.C.F
 Snyder, C.G.G
 Swenson, S.P.OGO
 Wallis, G.C.OCQ
 Webster, V.S.C

Custer

Roeser, Jacob, Jr. .GO

Flandreau

Brophy, B.J.QIK

Huron

Issenhuth, William BCD

Lead

Noble, J.A.EH

Milbank

Gregory, D.A.N

Mitchell

Kendall, A.R.CNP
 Semans, C.J.KQI

Rapid City

Bessey, W.H.B
 Connolly, J.P.EQM
 Lincoln, F.C.MEQ
 Petrie, G.W.ABD
 Tullis, E.L.EMO
 Watson, C.G.B

Sioux Falls

Edwards, J.K.B
 Froemke, J.A.CBA
 Hofstad, O.M.CA
 Hoyem, A.G.B
 Lofthus, OrinF

Spearfish

Bennett, F.L.GFO

Vermillion

Churchill, E.P.F
 Eyster, H.C.G
 Handley, C.A.Np
 Julian, J.H.F
 Manter, J.T.Fll
 Rothrock, E.P.E
 Shaw, E.H., Jr.CNF

Viborg

Griffiths, Robert ...ND

Watertown

Jones, D.F.CNP

Yankton

Larrabee, A.P.F

TENNESSEE**Bristol**

Butler, C.S.FN
 Mundie, J.R.G

Chattanooga

Bishop, E.L.N
 Brill, K.G., Jr.EH
 Brimlow, G.F.L
 Cornelius, D.W. .BDM
 Grote, I.W.C
 Gurney, C.H.N
 Hunt, J.S.FG
 Kistler, G.H.N
 Kruesi, P.J.O
 Laurence, R.A.EM
 McCallie, J.P.DA
 McGavock, C.B., Jr. EM

McGilliard, Miss E. .G
 Moneymaker, B.C. EM
 Robbins, F.M.MCB
 Taylor, W.M.I
 Taylor, Mrs. R.S.Q
 Terrill, Miss E.D.

Cleveland

West, F.E.CGF

Cookeville

Ashburn, H.G.CBA
 Bartoo, D.R.GE
 Dicus, A.W.B
 Hutchinson, R.O. BAD

Copperhill

Conroy, E.H.CGO
 Nikitin, A.A.C

East Chattanooga

Turner, W.F.F

Harrogate

Dickenson, H.F. ...IQ
 Edds, J.H.I
 Grimm, W.W.FNG
 Johnson, LeRoyC
 Mangrum, J.F.F

Jackson

Davis, ReidFGN

Jefferson City

Bahner, C.T.CNO
 Cook, E.M.I
 Ives, J.D.FG

Johnson City

Brown, D.M.G
 Huddle, H.B.C
 Shearer, D.R.MIQ
 Sherrod, C.C.O
 Yoakley, Miss Ina .EQ

Knoxville

Adams, SidneyI
 Amick, H.C.EHM
 Bentley, G.M.F
 Brett, AxelI
 Browning, Charles OB
 Buehler, C.A.CPE
 Canning, G.A.FN
 Collins, R.L.EFG
 Copeland, L.D.C
 Dougherty, N.W. MK
 Drain, B.D.O

Knoxville, Cont'd.

Fippin, E.O.BCO
 Gildersleeve, B.E
 Hall, G.M.EM
 Hayes, Hanceford .B
 Hertel, K.L.N
 Hesler, L.R.G
 Hyre, R.A.G
 MacIntire, W.H.OC
 MacLeod, Miss F.L. .C
 Marcovitch, Simon .F
 Mayer, L.S.OFG
 Meyer, HenryFG
 Meyer, S.L.GF
 Mooers, C.A.G
 Moore, K.C.CGB
 Morgan, H.A.F
 Mueller, A.D.IQK
 Perry, G.S.OFG
 Powers, E.B.F
 Rostorfer, H.H.C
 Robertson, J.H.C
 Rommel, G.M.OK
 Sherbakoff, C.D.G
 Southerland, H.L., Jr. M

Williams, D.E.COF
 Woodward, S.M. .MQA

Madison College

Brolliar, Floyd ...FGO

Maryville

Brown, Mrs. B.H.G
 Green, S.A.FGN

Maryville, Cont'd.

Howell, George ...CBA
 Knapp, G.A.A
 Orr, H.E.Q

Memphis

Atkinson, J.D., Jr. CMI
 Baker, C.L.FG
 Crandall, L.A., Jr. .N
 Diehl, C.E.F
 Eliot, T.S.F
 Freedman, H.NCH
 Freeman, C.P.G
 Gibbs, O.S.Np
 Jelks, J.L.N
 Michelson, I.D.NC
 Moore, C.E.GF
 Peters, H.C.N
 Rhodes, P.N.B
 Rowland, W., Jr.N
 Seager, L.D.NpFG
 Smith, F.W.N
 Vinsant, R.S.Nd
 Wendel, W.B.NC
 Wod, P.H.IN

Murfreesboro

Davis, GeorgeGFE
 Edney, J.M.FG

Nashville

Alexander, L.E. .FGN
 Bircher, L.J.C
 Bottom, Miss F.G
 Brewster, S.F.EFO
 Brunswick, Lily IQK

Nashville, Cont'd.

Casparis, H.R. N
 Chadwick, C.S. F
 Clark, S.L. N
 Crawford, L.W. Q
 Cuff, J.R. N
 Deacon, W.M. NOF
 DeMonbreun, W.A. N
 Densen, P.M. KNA
 Evers, F.B. F
 Folger, H.T. F
 Fountain, C.R. BAD
 Fox, J.W. CP
 Gage, G.R. G
 Ganier, A.F. FHM
 Garrey, W.E. N
 Garrison, S.C. QI
 Glenn, L.C. E
 Goodpasture, E.W. FGN

Nashville, Cont'd.

Hazlett, D.C. EGF
 Hernandez, R. NI
 Ines, E.S. B
 Johnson, A.W. C
 Johnson, C.S. KOO
 Johnson, L.M. CNO
 Kent, G.C. Jr. FN
 Knudsen, C.W. Q
 Lamson, P.D. NP
 Leathers, W.S. NFK
 McBride, W.H. NKB
 McClure, James. ABD
 McGill, J.T. C
 Mayfield, G.R. FG
 Meloney, H.E. NF
 Miser, W.L. A
 Moncreiff, Ruth. IAO
 Morgan, H.J. N
 Mullowney, J.J. NI

Nashville, Cont'd.

Munn, N.L. IFK
 Park, R.E. KH
 Peterson, J.K. AB
 Pond, W.F. EM
 Puffer, R.R. NK
 Quinland, W.S. N
 Reinke, E.E. F
 Rich, Celia. Nd
 Robbins, B.H. N
 Robinson, C.S. NCO
 Slack, F.G. B
 Snyder, T.L. CNG
 Stoughton, R.W. C
 Talley, T.W. C
 VanHorn, C.E. A
 Ward, J.W. NF
 Webb, H.A. QCO
 White, W.R. C

Norris

Cahn, A.R. FG
 Evans, Llewellyn. MNC
 Hunter, C.E. ECN
 Wiebe, A.H. F
 Wilson, Hewitt. MCE

Ripley

Wilson, E.B. ABE

Sewanee

Davis, Roy B. C
 McDonald, J.M.S. IHF
 Moyer, J.F. OGE
 Myers, G.B. DHI
 Petry, R.L. B
 Scott, J.M. CB

Spring City

Fox, Portland. ECD

TEXAS

Abilene

Mullings, M.E. AB
 Olsen, Julius. BDC
 Watts, O.O. CBH

Alpine

Smith, V.J. HQM
 Sperry, O.E. GQ

Amarillo

Foltz, R.A. MAQ
 Sime, P.R. F

Angleton

Reed, H.M. O
 Stansel, Roy H. OGF

Arlington

Dickey, G.L. Q
 Howard, C.M. A
 Hughes, W.L. FG
 Killian, O.J. GF
 Murchison, J.T. C
 Whitney, W.B. CQN

Austin

Adams, F.J. OIH
 Albers, C.C. GCNP
 Bailey, J.R. C
 Batchelder, P.M. ADB
 Bennett, R.R. E
 Berry, L.J. Jr. FGC
 Boner, C.P. B
 Boysen, Miss Helen. F
 Boysen, J.L. L
 Branch, M.E. KLO
 Breland, O.P. F
 Brogan, A.P. KI
 Brown, S.L. B
 Brown, W.L. IQ
 Burr, J.G. F
 Burwell, Miss L.L. FG
 Campbell, T.N. II
 Colby, M.Y. B
 Craig, H.V. ABD
 Dawson, P.M. NOL
 Deen, A.H. EH
 Ergle, D.R. C
 Ettlinger, H.J. ABD
 Gidley, W.E. CNP
 Godfrey, R.S. NIK
 Goldsmith, G.W. FG
 Goldstein, M.S. H
 Gray, C.T. Q
 Gregory, J.T. EF
 Harper, H.W. CN
 Henze, H.R. C
 Hungate, R.E. FGC
 Jordan, H.V. O

Austin, Cont'd.

Knight, James. IO
 Kuchne, J.M. B
 Lewis, I. McK. G
 Lubben, R.G. A
 Lund, E.J. FN
 McAllister, Fred. G
 McAllister, J.G. HKI
 McConnell, D. ECB
 Mainland, Gordon. F
 Manuel, H.T. QI
 Martin, C.M. Q
 Moore, Miss E.J. BO
 Moore, R.L. A
 Nau, Carl A. CNP
 Neville, W.R. Jr. C
 Patterson, J.T. F
 Perrin, F.A.C. I
 Phelps, Austin. FE
 Plummer, Mrs. H.J. E
 Prouse, E.J. DBA
 Rayner, C.B. GED
 Richmond, W.E. ECB
 Rightor, F.E. KMP
 Romberg, Arnold. B
 Rosene, Miss H.F. FCG
 Schuhardt, V.T. NFG
 Simonds, F.W. E
 Snell, E.E. CGF
 Taylor, Howard. MBC
 Tharp, B.C. G
 Umstadd, J.G. Q
 Whitney, F.L. E
 Williams, R.J. C
 Winters, Jet C. CFN
 Wright, L.D. CN

Bastrop

Dodson, P.J. Q

Baytown

Cornelius, L.W. MB

Beaumont

Tullis, E.C. GC

Belton

Capt. Miss Lucile. GFE
 Gordy, Walter. BCA
 LeVesconte, Amy. C

Brownsville

Anderson, C.G. G
 Land, W.J.G. GE

Brownwood

Hutchins, L.M. GCO
 Nickels, C.B. F
 Rue, J.L. GO
 Smith, C.L. GC

Brady

Burrow, E.A. MAB

Bryan

Fuller, F.D. CO
 Hopkins, S.H. F
 LaMotte, Chas. G

Cameron

Rischar, Eduard. NIB

Canyon

Alexander, Kliem. C
 Studer, F.V. HE
 Walker, Miss D. EK

College Station

Adrian, G.W. O
 Bacon, C.S. Jr. O
 Beasley, J.O. GO
 Bilsing, S.W. F
 Carter, W.T. EGO
 Conner, A.B. OEG
 Cover, Sylvia. CN
 Dana, B.R. O
 Doak, C.C. GFO
 Donahue, Roy L. OGC
 Dunlap, A.A. G
 Ezekiel, W.N. GOC
 Fletcher, R.K. FC
 Flory, W.S. Jr. OG
 Fraps, G.S. C
 Giesecke, F.E. MA
 Goldich, S.S. E
 Gross, G.L. BAM
 Hamalainen, Carl. C
 Hesse, C.J. EFH
 Jones, J. McK. O
 Jones, L.G. O
 Kemmerer, A.R. CO
 Leith, T.S. N
 McCorkle, W.H. BA
 Mangelsdorf, P.C. GO
 Marsteller, R.P. NOQ
 Pearson, P.B. OCN
 Potter, G.E. FG
 Quisenberry, J.H. FON
 Schmidt, Hubert. NF
 Schoepfle, G.K. BAM
 Scoates, Mrs. Dan. N
 Silvey, O.W. B
 Smith, E.G.W. MB
 Taylor, W.P. FGE
 Thomas, F.L. F
 Treichler, Ray. ONC
 Trotter, Ide P. OGF
 VanVolkenberg, H.L. FNO

College Sta., Cont'd.

Warwick, B.L. FNO
 Watkins, G.M. G
 Wender, S.H. CO
 Whitacre, Jessie. QK
 Williams, D.W. OCK
 Yarnell, S.H. GO

Comanche

Taylor, E.A. Q

Commerce

Bodemann, Elsie. FG
 Denny, Miss Grace. G
 Freeman, W.W. LOI
 Lafferty, H.M. OFC
 Lutz, C.M. CED

Corpus Christi

Hansell, J.M. E
 Heinemann, G. CM
 Price, W.A. E
 Schoenfeld, O.B. PMB

Dallas

Albritton, C.C. Jr. EF
 Allison, W.J. NIF
 Anderson, G.H. EKC
 Beers, R.F. MBE
 Biddison, P. McD. M
 Black, J.H. N
 Boon, J.D. BD
 Burdine, N.T. B
 Caldwell, G.T. N
 Carraway, T.W. ABD
 Charlton, O.C. G
 Chase, F.L. M
 Cline, J.L. B
 Collingwood, D.M. EMB

Connell, W.B. CM
 DeGolyer, E.L. E
 Fisher, W.M. NF
 Foscoe, E.J. E
 Freeman, Miss E.A. IK
 Gardner, C.B. Jr. C
 Garrett, M.M. E
 Geiser, S.W. FL
 Heuse, E.O. C
 Hurt, Geo.E. N
 Karcher, J.C. BM
 Kemp, Garrett. B
 Laake, E.W. FO
 Lahee, F.H. E
 Longnecker, M. GFO
 McDermott, E. BAE
 McDonald, F.C. B
 McGhee, G.C. EBM

Dallas, Cont'd.

Martonak, S.H. BMI
 Miller, J.N. CB
 Minton, J.P. EB
 Nichols, C.A. OK
 Penn, W.D. MBA
 Pritchett, H.L. KN
 Ransome, W.R. BEA
 Reagor, E.C. C
 Rogers, Fred T. N
 Rosenthal, Helman CN
 Sanders, Ottys F
 Seneker, Seehorn . QIK
 Shelburne, S.A. NC
 Shuler, E.W. E
 Slaughter, D. NpOC
 Stephens, I.K. IKB
 Sweeney, J.S. N
 Tidwell, H.C. NC
 Tunnell, J.W. NFH
 Turner, C.M. CBNp
 Whedbee, Edgar CH
 Wrather, W.E. E
 Yarborough, Jos. U. I

Denton

Birge, W.I. FG
 Bonney, Merl IO
 Brierley, Jean FG
 Clark, W.H. CB
 Floyd, L.P. C
 Foster, R.L. CN
 Griffith, Esther C
 Hamilton, Viola GFH
 Hanson, E.H. AB
 Harris, B.B. FG
 Johnston, Miss Ola F
 Ludeman, Miss H.A. C
 McConnell, W.J. K
 McLaughlin, Miss L. CNO

Nelson, Miss Ina F. HL
 Plummer, Miss B.A. NFG
 Scoular, F.I. NC
 Steidinger, Miss R. I
 Whitmore, H.G. C

Dolores

Davis, R.W. M

El Paso

Barry, J.G. EMC
 Berkman, A.H. GF
 Black, A.P. NC
 Clendenin, T.P. EM
 Knapp, E.J. ABD
 Leech, J.S. A
 McNutt, C.E. CMP
 Olson, L.V. CNM
 Waite, W.W. N

Fort Davis

Elvey, C.T. D

Fort Sam Houston

Crimmins, M.L. FHL
 Hart, W. Lee KN

Fort Worth

Donoghue, David . EM
 Gaines, Newton B
 Hawley, J.B. M
 Hewatt, W.G. F
 Heyer, A.H. F
 Monnig, O.E. DEA
 Ogden, L.A. M
 Osborn, Ben FGO
 Pearson, J.T. K
 Scott, Gayle EF
 Smith, R.A. QIK
 Sudheimer, R.L. NEF
 Whitman, J.L. CB
 Winton, Mrs. H.T. FG
 Winton, W. McC. EF

Fredericksburg

Roe, H.T. ACD
 Axelrad, B.A. CEK

Freer

Wilkins, Mrs. C.L. IKL

Galveston

Bodansky, Meyer C
 Brindley, Paul NO
 Duncan, Donald N
 Gingrich, W. FN
 Hendrix, B.M. C
 Herrmann, G.R. N
 James, W.A. BCO
 Oppe, Miss Greta OC
 Place, Jesse A. N
 Porter, E.L. N
 Sauer, M.E. N
 Sharp, W.B. N
 Sinclair, J.G. NF
 Spies, J.W. N
 Taft, C.H., Jr. F
 Wells, N.W. AB

Garland

Fuston, W.J. M

Gatesville

Leaird, Byron E

Georgetown

Godbey, J.C. CBE
 Ullrich, O.A. IO
 Wolcott, G.B. GF

Graham

Johnston, A.W. EM

Harlingen

Davis, L. Irby FG
 McAlister, L.C., Jr. F

Houston

Adler, J.L. EB
 Altenburg, Edgar F
 Bailey, T.L. E
 Banta, H.E. B
 Barnett, D.G. E
 Blau, L.W. BA
 Bonner, T.W. BA
 Brown, C.B. BEA
 Carlton, D.P. E
 Chandler, Asa C. FN
 Collect, J.D., Jr. M
 Daniels, A.S. CGM
 Davies, J.I. FG
 Deussen, Alex. E
 Eby, J.B. E
 Elliott, F.C. Nd
 Fenton, Alfred F
 Fletcher, H.W. M
 Fohs, F.J. E
 Frey, C. Elmer N
 Fulton, W.F. C
 Garrett, J.B. E
 Gill Stanley MCB
 Gray, G.R. C
 Greulach, V.A. GFO
 Halbouty, M.T. EM
 Hanna, M.A. EFM
 Hartsook, A.J. MC
 Hauser, Abe N
 Heaps, C. B
 Heiser, J.M., Jr. FCK
 Henderson, H.I. BEC
 Hogan, Miss F.M. IKO
 Horvitz, Leo C
 Israel, Sidney N
 Isvekov, V.G. CN
 Ivy, J.S. EBD
 Judson, S.A. E
 Kannenstine, F.M. BM

Houston, Cont'd

Kirkpatrick, C.S. M
 Kroemer, F.W. CMG
 Lemm, Fred BAP
 Leonardon, E.G. M
 Lovett, E.O. AQ
 McCollum, B. BEM
 McCready, H.J. EAB
 MacMahon, A.M. B
 Milligan, W.O. CB
 Morse, Roy R. E
 Mott-Smith, L.M. B
 Mott-Smith, M.C. B
 Mower, L.K. E
 Pennington, J.V. PAM
 Redfield, R.C. EHM
 Reynolds, F.F. BEM
 Rich, R.C. CEM
 Rogers, J.K. E
 Rosaire, E.E. BCE
 Rust, W.M. ABM
 Sauls, J.L., Jr. E
 Schuhmann, E.W. BAC
 Slotnick, M.M. ABE
 Swinford, J.K. M
 Teas, L.P. E
 Ward, F.D. FG
 Weaver, Paul BE
 Weiser, H.B. CB
 Wilson, H.A. B
 Woods, J.P. BM

Howe

Ferguson, A.M. OGG

Huntsville

Baird, Don O. QFG
 Carrington, E.M. QI
 Etheridge, T.H. QIK
 Floyd, W.W. C
 Keith, Lillian CBA
 Warner, S.R. G

Jacksonville

Ebaugh, F.W. CMO
 Young, P.A. GO

Kerrville

Bryant, M.D. FGO
 Hammond, T.M. B

Kingsville

Cross, J.C. F
 Kleberg, R.J., Jr. C

League City

Langford, C., Jr. MBE

Lubbock

Abbitt, W.H. AM
 Bahm, A.J. IK
 Craig, W.M. C
 Dysart, Miss B.K. IO
 George, E.F. B
 Glock, Waldo S. E
 Hefey, H.M. FNG
 Hill, Harry B
 Karper, R.E. OFG
 Landwehr, M.F. FN
 McCrery, Jonnie CFO
 May, Miss L.B. AD
 Michie, J.N. ABD
 Patton, L.T. E
 Reed, E.L. G
 Rolf, F.W. CEB
 Schmidt, C.C. B
 Sidwell, Raymond E
 Sparks, F.W. A
 Studhalter, R.A. G
 Underwood, R.S. A
 Wolf, Miss M.M. NCK

Mercedes

Shaw, W.F. M
 Taylor, J.B. BCE

Midland

Bates, R.L. E
 Chase, C. Louis E
 Graves, H.B., Jr. E
 Jackson, O.B. BAE
 Stephenson, M.B. E

Mission

Avery, Paul C. FKE

Mont Belvieu

Shearer, A.R. FNII

Nacogdoches

Adams, R.H. FG
 Parks, Hal B. PG
 Upton, R.G. FGH

Newgulf

Butterworth, C.E. CM

Odessa

Roberts, M.E. E

Palestine

Frizzell, Bonner . QKI

Perryton

Jacquot, L.L. OGO
 Manly, J.O., Jr. GF

Pittsburg

Bailey, L.B. CQM

Plains

Cribbs, W.J. G

Port Arthur

Davis, L.M. C
 Ludeman, C.G. C
 Mangelsdorf, T.A. CMB

Port Neches

Dengler, F.S. C
 Schwyer, H.E. MC
 Traxler, R.N. CBM

Prairie View College

Dooley, T.P. FGO
 Perry, R.P. COB

Rockport

Collier, Albert F
 Gunter, Gordon F

San Angelo

Mitchell, W.C. NF

San Antonio

Atkinson, D.T. N
 Bogusch, E.R. GEO
 Butler, Wallace G
 Collignon, E.C. CBA
 Cushing, A.B. CBL
 Finch, E.H. EON
 Friesenbahn, Sister
 Mary Clarence C
 Gill, W.D. NFC
 Gish, W.G. CB
 Gutzeit, C.L. EBC
 Hill, P.B. HCB
 Kelley, Ward EBC
 Knoll, W.V. NEF
 McAmis, Miss A.J. CN
 O'Byrne, Sister M.E. RC
 Parker, H.P. BEM
 Parks, H.B. F
 Petty, D.E. EMB
 Petty, O.S. MBE

San Antonio, Cont'd.
 Pladeck, Miss M.G
 Porch, E. L., Jr.EM
 Sunden, O. E.BCI
 Semmes, D. R.E
 Steece, James G.ME
 Tulloch, L. H.A
 Vickery, R. A.F

San Marcos
 Smith, C. S.F

Seymour
 Kemp, Mrs. A. H.E

Sherman
 Steffy, W. W.B

Sonora
 Babcock, O. G.F

Stephenville
 Baker, Mrs. E. H. BEQ

Temple
 Hill, H. O.MO

Terrell
 Overstreet, G. T. ...CG

Texarkana
 Witt, PaulQCB

Tulia
 Miller, L. C.GO

Tyler
 Alexander, C. I.EF
 Pitte, G. W.EMF
 Rouse, J. T.E

Uvalde
 Barrett, W. L., Jr. ...F
 Getzendanner, F. M. ...E
 Farman, D. C.F

Waco
 Block, S. R.B
 Clanton, B. R.C
 Glick, P. A.F
 Gooch, Wilby T.C
 Jones, E. N.GF
 Lauritzen, C. W. ...OBC
 Lux, KonradNQK
 Murray, Leo T. ...FGE
 Stephens, W. R.C
 Staley, H. W., III.BEM
 West, G. H.BFC
 Williams, W. J. ...DA

Waxahachie
 Isely, F. B.F

Weslaco
 Bach, W. J.GO
 Godfrey, G. H. ...GFO
 Heid, J. L.C

Wichita Falls
 Harris, J. M.BEA

Windom
 Council, F. E. ...CFN

Winter Haven
 Hawthorn, L. R. ...O
 Mortensen, E. ...OFG

Woodville
 Kendall, C. H.M

UTAH

Jensen
 Boyle, A. C., Jr. ...MED

Logan
 Anderson, C. L.NO
 Blood, H. L.GO
 Bracken, A. F.O
 Fletcher, H. C. ...OEK
 Gardner, WillardB
 Geddes, J. A.K
 Greaves, J. E.N
 Henderson, W. W. ...F
 Israelson, O. W.M
 Kelker, G. H.FGO
 Knowlton, G. F.F
 Linford, L. B.BA
 McAlister, D. F.G
 Perry, L. E.FG
 Peterson, E. G.FG
 Phillips, R. W.FON
 Pittman, D. W.O
 Richards, B. L.GO
 Shapovalov, M.GO
 Smith, H. H.FG
 Sorenson, C. J.FO
 Stanford, J. S.FON
 Stark, A. L.O
 Thorne, D. W.OCG

Logan, Cont'd.
 Wann, F. B.G
 Wright, Stillman ..FG

Murray
 Clove, JamesQI

Ogden
 Bailey, R. W.ED
 Cottrell, R. H.C
 Craddock, G. W. ...OGF
 Hurd, R. M.GO
 Lind, J. G.E
 Pearson, Kenneth ...GO
 Plummer, A. P. ...GOE
 Stewart, Geo. ...GOE

Park City
 Bradley, H. F. ...CBQ

Provo
 Aird, J. W.N
 Eyring, C. F.B
 Hales, W. B.B
 Hansen, G. H.E
 Harris, F. S.GOO
 Lambert, A. C.Q

Provo, Cont'd.
 Marshall, Milton BAC
 Maw, C. E.C

Richfield
 Mortenson, F. N. .ONC
 Robinette, W. L. .FGE

Salt Lake City
 Adams, T. C.MBO
 Ahearn, J. M.BM
 Allmond, D. R., Jr. .MQ
 Baker, R. D.MBI
 Barnes, C. T.FGO
 Bennion, MiltonO
 Boutwell, J. M.EM
 Bowen, C. F.E
 Chamberlin, R. V. ...F
 Christensen, A. L. .EM
 Cottam, W. P.FG
 Crawford, A. L. ...EMF
 Emery, W. L.CM
 Fenning, ConNp
 Fleischer, Arthur ...C
 Flowers, Seville ...G
 Freudenberger, C. B.FN
 Fulks, Joe R.BA
 Garrett, A. O.G

Salt Lake City, Cont'd.

Gibson, J. L.ADB
 Goldthorpe, H. C. ...NC
 Hamlin, J. C.FGO
 Hance, J. H.EM
 Hill, Geo. R.G
 Johnson, C. C.Np
 Keane, J. C.CN
 Kinney, C. R.C
 Latshaw, W. L.C
 Lewis, R. S.M
 Lieboner, W. S.MC
 Matson, G. A.NC
 Merrill, J. F.BM
 Mulaik, Stanley .QFG
 Owen, F. V.OGA
 Pehrson, E. W.A
 Saccomanno, Geno .FG
 Schell, Miss M.FGN
 Schneider, Hyrum ...E
 Sheldon, Miss E. E. ...CBA
 Stafford, Anna A.A
 Truman, O. H.BMD
 Tugman, OrinB
 West, F. L.BCA
 Widtsoe, J. A.COQ
 Woodbury, A. M. ...FG

VERMONT

Barre
 Bosworth, M. W. .CFN

Bennington
 Butler, C. L., Jr.CN
 Chapman, D. W., Jr. .I
 Lundberg, G. A.KIH
 Reutter, Miss E.FGI
 Wilson, J. G.GN
 Woodward, R. E. .FHN

Brookfield
 Jones, Mrs. A. C.G
 Jones, L. R.G

Burlington
 Adams, W. R.GO
 Arnold, F. J.N
 Bailey, Guy W.I
 Brown, Miss C. L. .CNO
 Burns, G. P.C
 Burrows, G. H.G
 Cummings, M. B. ...O
 Daggs, RayNC
 Davis, John E.NpF
 Doll, C. G.E

Burlington, Cont'd.
 Dunihue, F. W.NF
 Eckhard, Geo. F.M
 Gifford, Asa R.IKH
 Hartman, Ernest FNK
 Hills, J. L.O
 Jackson, F. K.NL
 Jacobs, E. C.EC
 James, W. E.NQ
 Jordan, HoveyFN
 Kemp, Hardy A.N
 Kern, C. A.C
 Leonard, C. S.CNP
 Lineken, E. E.CM
 Marvin, J. W.G
 Metcalf, J. T.I
 Moody, P. A.F
 Perkins, H. F.F
 Perry, JohnF
 Pierce, H. B.CNO
 Rowell, L. S.F
 Sichel, F. J. M.FN
 Stultz, W. A.FN
 Thomas, EvanA
 Varney, H. R.KQO

Chelsea
 Jordan, Miss P. F. FGN

Lyndon
 Church, M. B.G

Manchester
 Dunbar, F. F.FGN

Middlebury
 Bryant, E. C.BD
 Howell, C. DeW.F
 Longwell, S. E.F
 Schmidt, B. M.E
 Wissler, Benjamin BA

Newfane
 Burlingham, G. S.G
 Grout, A. J.G

Northfield
 Adams, P. H.NMC
 Howard, S. F.CB
 Howes, D. E.BMA
 McIntire, S. H.B

Poultney
 Larrabee, D. M.E
 Swann, R. LeG. ...LIQ

Putney
 Morris, C. T.NC
 Morris, D. L.CNQ

Rutland
 Ball, C. F.NE
 Pennoyer, C. H.IKO
 Perkins, C. S.EDC

Springfield
 Fellows, E. R.M

Wallingford
 Batcheller, B. C. .BDM

West Brattleboro
 Bliss, A. D.C

White River Junction
 Hall, E. P.N

Winoski
 Candon, B. H.FGN

VIRGINIA

Alexandria

Caton, W.P. NFG
 Chancellor, W.E. K
 Dalton, Philip MB
 Hall, R. Clifford OK
 McCord, H.S., Jr. B
 Radu, J.W.
 Reardon, Miss Lucy .F
 Rice, G.S. M
 Sayers, R.R. MN
 Speh, C.F. CAM
 Wayson, N.E. N

Arlington

Annand, P.N. OFG
 Arrington, Miss R.E. KIO
 Artz, Miss Lena G
 Bayard, K.O. MEO
 Boyle, L.W. G
 Bray, R.S. F
 Butterfield, E.C. OM
 Cohen, Louis B
 Culppepper, Mrs. C.W. G
 Divine, J.P. N
 Fosberg, F.R. GFE
 Hertzel, R.A. M
 Horner, C.K. CGO
 Johnson, H.W. G
 Kennedy, M.S. M
 Lefebvre, C.L. G
 Leighty, C.E. GO
 Louraine, F.E. KLG
 McKinney, H.H. GO
 Pigman, Ward C
 Rhoades, M.M. FG
 Rice, S.A. KHI
 Schulte, J.I. OFG
 Shands, W.A. FGO
 Stewart, R.T. GO
 Sweeney, W.T. BCO
 Thorp, James EO
 Watson, A.N. AKO
 Winestock, O.C. CM
 Wolessensky, Edw. C

Ashland

Bullington, W.E. F
 Hudson, R.P. CB
 Keeble, W.H. B
 Simpson, T.McN., Jr. AD
 Updike, Ira A. CEQ

Bedford

Harper, Mrs. H.S. G
 Harper, R.A. G
 Smith, W.L. MBC

Blacksburg

Burruss, J.A. QKM
 Cooper, A.H. MC
 Davis, Thomas B
 Drinkard, A.W., Jr. O
 Ellett, W.B. CO
 Fish, F.H. CMQ
 Fisher, R.A. MC
 Garnett, W.E. KQF
 Gizzard, A.L. OC
 Harrar, J.G. C
 Hill, H.H. C
 Holden, R.J. EM
 Hutcheson, T.B. O
 Jackson, H.W. FG
 Johnson, E.P. NF
 Orcutt, Fred S. GCN
 Massey, A.B. GC
 O'Shaughnessy, L. AMD
 Price, H.L. FG

Blacksburg, Cont'd.

Robeson, F.L. B
 Schoene, W.J. F
 Threlkeld, W.L. FN
 Ussery, H.D. B
 Vernon, J.J. KOQ
 Vilbrandt, F.C. MCP
 Watson, J.W. C
 Whitlock, Miss H. FN
 Williams, J.E. A
 Wilson, I.D. FNO
 Wingard, Samuel G

Bluefield

Williams, M.G. FGE

Bon Air

Moore, Warren F

Bridgewater

Dove, F.D. IO
 Jopson, H.G.M. G
 Kirchner, Fred K. C
 Shober, E.R. FO
 Wright, C.C. K

Bristol

McKee, Miss Alice GIC
 Moir, W.M. Np

Buena Vista

Burkette, Miss J.L. G

Cambria

Price, R.H. GFO

Charlottesville

Archer, V.W. N
 Beams, J.W. B
 Bean, R.B. H
 Benton, A.P. CB
 Berglund, Abraham K
 Brown, T.D. FG
 Corey, E.L. F
 Dennis, Wayne IHK
 Dold, W.E. NI
 Geldard, F.A. I
 Hancock, Harris A
 Holmes, F.T. B
 House, F.N. K
 Hoxton, L.G. BD
 Kepner, W.A. F
 Kline, L.W. IOL
 McGill, W.M. ELM
 Mitchell, S.A. D
 Nelson, W.A. E
 Phillips, W.J. F
 Reynolds, B.D. FG
 Roberts, J.K. EM
 Rodman, W.S. M
 Runk, B.F.D. GF
 Smith, D.C. N
 Southall, J.P.C. BAD
 Sparrow, C.M. BAD
 Speidel, C.C. NF
 Spencer, H.M. CBA
 Vysotsky, Alex. D
 Waddell, J. Alex. GN
 White, O.E. G
 Whyburn, G.T. A
 Wilson, D.C. I
 Yoe, J.H. C

Chatham

Pinckard, J.A. G

Clifton Forge

Hartley, G.S. N

Dahlgren

Riffolt, Nils A. B
 Thompson, L.T.E. ABM

Draper

Oglesby, Miss M.C. FGC

East Falls Church

McLane, J.W. BGO
 Middleton, H.E. O
 Schomer, H.A. GCO
 Van de Water, M. IKH
 Weld, Lewis H. F

Emory

Casto, E. Ray E
 Littleton, L.R. CO
 Miller, J.S. AD

Enonville

Gruschow, G.F. GEO

Ettrick

Baker, P.H. FG
 Hunter, J. McN. BAM

Fairfax

Handy, E.S.C. H
 Lake, E.R. GO

Falls Church

Kinsley, Carl BM
 Johnson, H.M. NCF

Farmville

Coyner, M. Boyd I
 Jeffers, G.W. F
 Stevens, Miss Edith GF

Fork Union

Hammock, E.W. BC

Fredericksburg

Cook, R.S. C
 Cornwall, R.T.K. C
 Hts, Hugo GF
 Schultz, H.H. FGO
 Young, W.J. IKQ

Front Royal

Low, G.W., Jr. C

Glen Allen

Rayburn, C.H. C

Greenlee

Poindexter, Miles .LH

Hampden Sydney

Allan, D.M. I
 Frierson, W.J. C
 Winston, J.H.C. CEP

Hampton

Crooks, K.B.M. FIIN
 Davis, C.H. CQN
 Foreman, Mrs. M.C. GO
 Lohr, R.F. IO
 Payton, N.F. BCM
 Peele, Miss A.E. GF
 Theodorsen, T. BAM
 Turner, T.W. G
 Wood, D.H. MBO

Harrisonburg

Chappelear, G.W., Jr. G
 Miller, E. DeWitt .FN
 Phillips, Ruth FNG
 Showalter, A.M. GF

Hollins

Fillinger, Miss H.H. .C

Hollins College

Fainsworth, Miss G. BAD
 McGinnis, J.M. IIF
 Patterson, P.M. G
 Sitler, Ida F

Hopewell

Ernst, F.A. M
 Fazal, C.S. CBA

Leesburg

Harris, H.B.

Lexington

Bates, R.L. IO
 Campbell, L.L. B
 Carroll, R.P. GFO
 Howe, J.L. C
 Knox, R.H., Jr. AB
 Mallory, Francis B
 Smith, L.W. A
 Steidtmann, Edward E
 Stow, M.H. EM
 Swan, W.O. CB

Lynchburg

Boggs, Miss Isabel B
 French, C. Clement .CQ
 Friedline, C.L. I
 Hamaker, J.I. FGO
 Harsh, C.M. ICN
 Henderson, L.B. G
 Holmes, J.B. N
 Kilby, C.M. BD
 Larew, Miss G.A. A
 Milne, L.J. FGE
 Peak, Helen INK
 Perrow, M.G. CN
 Raskin, Evelyn I
 Rosenthal, S.H. NCE
 Schofield, Miss P.A. CN
 Sommerville, R.C. I
 Thornton, Miss N.V. C
 Wiggin, E.P. A
 Wiltshire, Mrs. G.T. F

Middleburg

Booth, R.L. NO

Newport News

Rutter, C.M., Jr. MCB

Norfolk

Andrews, M.S. NIP
 Bagley, Miss M. KLN
 Cook, H.T. G
 Francis, G.H. NQ
 Gillespie, Miss E. C
 Holmes, B.T. CF
 Hunter, J.W., Jr. N
 Jones, E.R., Jr. FNG
 Ritter, Sarah M. IK
 Sandholzer, Leslie .N
 Stiriz, C.H.
 Thornton, S.F. GOG
 Walker, H.G. FGO
 Zimmerman, J.H. O

Oak Grove

Flemer, J.A. MEO

Petersburg

Branting, B.F. C
 Downing, T.O. FN
 Morris, T.C. MCB

Piney River
Cauwenberg, W.J. ...C
Hladky, Emil ...MC

Port Haywood
Diggs, S.H.C

Portsmouth
Benson, J.F., Jr. ...MCB
Cook, S.S.N
Helm, J.B.NOE
Palmer, Fred, III CM
Webb, L.W.BM

Pulaski
Smith, R.O.NCL

Purcellville
Crooker, S.J.BMC

Radford
Burch, Paul R.F

Richmond
Apperly, F.L.N
Arnim, S.S.Nd
Arnold, R.B.CFO
Ashworth, O.O.N
Bailey, J.W.FG
Bare, C.O.F
Baughman, M.B. NLO
Bear, HarryNd
Bird, L.C.CN
Bond, EvaIQ
Bryan, J.S.N
Clark, Shreve ...CBN
Clift, WilliamC
Coghill, H. DeJ. ...NFK
Coty, O.N.C
Courtney, R.H., Jr. CN
Cox, EdwinC
Crockett, W.G.CNp
Fales, D.E.FIC
Farnsworth, D.L. ...NF
Fischer, Ernst ...NF
Flannagan, Roy K. NK
Fotbas, J.C.CN
Freeman, A.C. ...MNK
French, G.T.GFO
Goldsmith, Edward BC
Haag, H.B.NpC

Richmond, Cont'd.

Hall, J.F.NdQ
Hall, J.K.NIO
Hammer, H.R.C
Harlan, W.R.C
Harris, Isabel ...ADB
Harrison, J.P.CO
Hibbard, F.N.D
Hillsman, O.L.C
Holliday, G.W.Nd
Horsley, J.S.N
Jeffries, L.F.CB
Jones, W. Catesby ...C
Loving, R.E.B
McCrackan, R.F. CNQ
McGuire, Stuart ...N
Main, R.J.NpF
Merlub-Sobel, M. CMK
Meyers, H.H.CMO
Miller, E.C.L.N
Negus, S.S.CN
Newman, C.W. ...EKO
Osterud, H.L.FN
Pitt, Miss L.A. ...FCH
Pitts, F.P.C
Ragland, B.S. ...DMB
Reed, W.D.FEG
Rucker, M.P.NH
Rudd, W.F.C
Ryland, Garnett ...CO
Sanger, W.T.ION
Sinness, L.S. ...CBP
Smith, Foley F. CMN
Spealman, C.R.N
Staus, A.H.FN
Sutton, L.E., Jr. ...N
Taylor, Otis B. ...FGH
Trimble, R.D.M
Turman, A.E.N
Turner, Randolph FGQ
Vaughan, W.T.N
Weatherby, J.H. ...Np
Willis, E.J.ABC
Winston, L.G.C
Woody, R.W.IKF

Roanoke

Keyser, L.D.N
Stone, H.B., Jr.N
Trout, H.H.N

Rossllyn
Dicke, F.F.FO

Salem
Johnson, H.I. ...C

Saluda
Craig, J.E.NOF

Somerset
Valentine, J.M. ...FNE

Staunton
Daffin, J.B.CB
James, HaroldB
Opie, H.L.Nd
Sprinkel, A.H.Nd
Sutherland, L.E., L. CO
Taylor, Miss M.E. ...A
Thomsen, L.C.FG
Trout, Wm.E., Jr. ...C

Sweet Briar
Ames, AdelineG
Cole, NancyA
Edwards, Preston BD
Hague, Miss F.F
Morenus, E.M.A
Mull, H.K.I

University
Bardin, J.C.L
Bevan, ArthurEO
Britton, S.W.N
Cole, J.W.CBM
Dunnington, F.P. ...CE
Edmundson, R.S. ...E
Gilbert, C.McL. ...F
Husted, Ladley ...GF
Jordan, H.E.NF
Kindred, J.E.FGN
Lewis, I.F.G
Linfield, B.Z. ...ABD
Miller, J.S., Jr. ...MB
Pegau, A.A.E
Podtiaguine, M.P. BM
Royster, L.T.N

University of Richmond
Gaines, R.E.A
Myers, H.I.FN
Wheeler, C.H., III. ...A

Upperville
Williams, W.J. ...NOF

Wachapreague
Harmon, Miss F.R. ...FCN

Warrenton
Hodgkin, W.N.Nd

Waterford
McDaniel, A.B. ...MQ

Waynesboro
Berne-Allen, A., Jr. CM
Dinwiddie, S.W. ...CP
Farquhar, B.S.C
Hoffman, R.M.C
Rose, WilliamCP

West Falls Church
Westfall, B.B. ...CBD

West Norfolk
Pond, W.F.CD

Williamsburg
Ash, Roy P.FN
Davis, D.W.FGQ
Delisle, A.L.GFE
Guy, W.G.C
Henneman, R.IFK
Lambert, J.W.C
Merrymon, W.W. BAC
Newcombe, C.L. ...FG
Robb, Robert G. ...CBD
Stetson, J.M.A
Taylor, R.L.FG
Young, R.C.B

Winchester
Groves, A.B.GOC
Hawkins, A.C. ...EQ
Hough, W.S.F

WASHINGTON

Bellevue
Holzheimer, F.W. ...ME

Bellingham
Cotton, J.C.BIL
Flory, Chas. H.O
Philippi, H.C.C
Sundquist, Miss L. GFE

Burton
Billingsley, Paul ...E

Cheney
Freeman, O.W.EQ
Hingate, Joseph ...FG
Tallyn, W.H.C

Ellensburg
Coffey, H.S.IQK
Lind, E.L.CBA
Smyser, Selden ...KEH

Gig Harbor
Townsend, L.D. ...FCG

Holden
Carithers, Ward ...EM

Kennewick
Siegfried, J.H.M

Lacey
Ernsdorff, BedeC
Stallbaumer, A.L. ...C

Lakota
Clark, LoisG

Long Beach
Crowley, D.J.OG

Longview
Hatch, R.S.C
Wolf, R.B.M

Mercer Island
Haley, Alva J.EM

Newport
Burbidge, Fred. ...MP

Olympia
Houthens, H.M. INQ

Parkland
Hauge, P.E.OI
Leraas, H.J.FG
Tingelstad, O.A. ...Q

Prosser
Larson, C.A.OCG

Pullman
Aase, H.C.G
Ashworth, U.S. ...CON
Biddulph, Orin ...GB
Campbell, C.D. ...E
Cleveland, A.A. ...OI
Cope, R.P.CO
Culver, H.E.EM
Ellington, E.V.O
Erickson, C.I.IO
Fendrick, Paul ...IO
Gaines, E.F.OGO
Gelbach, R.W.C
Hatch, W.R.GOL
Heald, F. DeF.GO
Holland, E.O.Q
Hudson, G.E.F
Johnson, E.C.O
Jones, L.K.GF
McCulloch, E.C. ...NFO
MacLennan, R.F. ...F
Overholser, E.L. ...OG
Pickett, F.L.G
Schafer, E.G.OG
Smith, D.C.OG
Stone, C.W.OI
Todd, C.C.CNO
Todhunter, E.N. ...CN

Pullman, Cont'd.
Vandecaveye, S.C. ...OCG

Webster, R.L. ...FO
Wheeling, L.C. ...OCE

Puyallup
Breakey, E.P.F
Getzender, C.W. ...F
Huber, G.A.C
Kalkus, J.W.ON
Landis, B.J.F

Seattle
Benson, H.K.C
Bezer, G.R.C
Beinke, S.C.GE
Berry, J.A.GN
Blucher, J.C.C
Bodman, Sister M.C. ...GO
Bolton, F.E.OI
Brakel, H.L.Q
Brooks, H.M. ...CMF
Burleigh, J.A. ...KIO
Cady, G.H.CB
Carpenter, A.F. ...A
Chapman, W.M. ...F
Clark, E.D.C

Seattle, Cont'd

Clise, J.W. DEK
Clough, Ray W. C
Cooper, F.L. C
Crescortelli, Fred. F
Daquest, W.W. FH
Daniels, Joseph M
Davidson, F.A. FO
Dehn, W.M. C
Diehl, H.C. OG
Dille, J.M. NpFC
Duncanson, H.B. F
Dunlop, H.A. FH
Dybwad, Peter NP
Earle, F.M. E
Esper, E.A. ILH
Finlayson, Alex. DHB
Fish, F.F. FN
Fisher, L.C. B
Frye, T.C. G
Fuller, R.E. E
Gavett, G.I. AK
Geyer, B.P. CNB
Goodman, Joe CFN
Goodsell, Miss J. NEI
Goodspeed, G.E., Jr. E
Graham, L.D. DM
Gronal, Broz L. O
Guberlet, J.E. F
Guthrie, E.R. I
Hassenmiller, K. CAB
Hatch, M.H. F
Hauschildt, Mrs. A. NC
Henry, B.S. NO
Hoff, H.A. NC
Hoffstadt, R.E. FG
Horton, G.P. I
Hotson, J.W. G
Jacobson, T.S. DBC
Kincaid, Trevor F
Krems, A.D. NCF
Larson, Harry ME

Seattle, Cont'd.

Laucks, I.F. C
Lingenfeiter, J.S. N
Lynch, J.E. F
McCoy, L.L. N
McKee, R.H. MEB
Magnusson, C.E. M
Magnusson, G.A. N
Martin, A.W. NF
Martin, H.H. EKO
Melin, J.B. BAD
Moore, C.C. M
Mulhern, Miss M.E. NF
Norris, E.R. C
Osborn, F.A. B
Paschall, B.S. CGN
Phifer, L.D. GCA
Quinan, G.E. BIC
Rigg, G.B. G
Riley, H.P. GF
Ritchie, C.L. FGO
Roberts, Milnor ME
Roe, R.S. N
Rose, H.W. C
Savery, William IK
Seeman, A.L. E
Sieg, L.P. B
Smith, G.McP. C
Smith, R.T. F
Sovereign, H.E. GFE
Stanton, E.A. O
Still, Alfred BLM
Stillson, H. INK
Stith, R.M. N
Svihla, Arthur F
Tartar, H.V. C
Taub, A.H. AB
Thompson, E.G. C
Thompson, T.G. CM
Thompson, W.F. F
Uehling, E.A. B

Seattle, Cont'd

Umpleby, J.B. E
Utterback, C.L. B
VanCleave, Richard .. F
Watson, C.H. O
Weaver, C.E. EF
Werby, H.J. FNC
Westerman, B.D. C
Wheelon, Homer N
Wilding, J.L. F
Wilson, G.E. NH
Wilson, W.R. IO
Winkenwerder, H. GO
Worcester, J.L. N

Shelton

Gray, K.R. CNK
Hallonquist, E.G. C
Pickens, R.M. C

Spokane

Armstrong, L.K. BEK
Cooper, J.F. F
Deromedi, F., Jr. NFC
Dill, M.S. C.C. NCO
Gustafson, P.V. FG
Harris, E.B. GFH
Humphrey, R.R. GEF
Keffner, Frederic MBC
Kempff, Gerhard F
Large, Thos. FGE
McMacken, J.G. EBD
Odle, Van A. NBC
Rockie, W.A. OEG
Wallace, Hilford R. M
Wanser, H.M. OEM
White, W.T. OPE
Wilson, Wm.G. BAQ

Sumner

Courtney, W.D. FG
Doucette, C.F. F

Tacoma

Christie, E.W. M
Clark, W.M. CN
Forbes, Miss E.G. GAO
Herrmann, S.F. N
Kerr, E.H. CO
Martin, A.W. AC
Pettibone, Miss M., FGC
Porro, T.J. NC
Roberts, E.L. D
Slater, J.R. FII
Terry, B.T. N

Vancouver

Brougher, J.C. NFG
Wooster, Miss R.C. FGC

Walla Walla

Bratton, W.A. A
Brode, H.S. FG
Hunter, W.A. IN
Lane, Merton C. F
Pope, P.H. FG
Reynolds, Miss R.S. O
Woodworth, C.E. F

Wenatchee

Lindner, R.C. GO
Sylvester, A.H. EO
Trumble, R.E. FG

Whidbey Island

Pratt, R.Y. F

Yakima

Cardiff, Ira D. G
Harris, L.P. COI
Newcomer, E.J. F
Regan, W.S. F

WEST VIRGINIA

Athens

McGraw, John, Jr. C
McNeill, E.M. G
Wells, Hawey FG

Belington

Gaston, G.A. GN

Bethany

Cramblet, W.H. A
Dawson, H.D. C
Kirkpatrick, F.H. IO
Leitch, Andrew IO
Weimer, B.R. F

Bluefield

Kurtz, H.I. NCF

Bramwell

Yearout, C.B. GON

Buckhannon

Gould, A.B. CBF
Hyma, Nicholas C
Judson, J.E. FG
Schoolcraft, A.A. QI

Charleston

Blackwell, A.C. C
Cox, Miss K.E. NF
Drogin, Isaac C
Harris, C.J. GO
Hyde, K.E. QI
Irwin, G.G. F
Merry, F.K. IO
Roller, P.E. CBA
Schofield, G.V. CBA

Charleston, Cont'd.

Taylor, A.P. FN
Walker, W.H. CB

Chester

Chandler, Everett F

Elkhorn

Lincoln, J.J. M

Elkins

Talbot, S. Benton .. FN

Fairmont

Dowden, Miss R. FE
Rogers, H.F. C

Glenville

James, Miss G.C. NFC

Harpers Ferry

Johnson, L.D. CNB

Huntington

Bartlett, J.F. C
Davis, L.M. EKO
Hiller, August MK
Hron, R.P. BOC
Miller, W.B. M
Moore, J.H. N
Patterson, James B
Todd, Leslie J. C
Utterback, W.I. F
Van Bibber, F.H. IO

Institute

Goodlett, C.B. IOK

Kearneysville

Surber, E.W. FG

Keyser

Patterson, R.C. FG
Stewart, Lincoln E

Littleton

Haight, Oscar GE

Morgantown

Ammons, Miss N. G
Bayles, G.H. M
Bergy, G.A. NpC
Brooks, Maurice GF
Cameron, Miss H.C. NC
Cantelo, R.C. CAB
Cartledge, J.L. GF
Chandler, S.B. NF
Clark, F.E. C
Clulo, Miss G. G
Collett, A.R. CB
Colwell, R.H. QCI
Colwell, R.C. B
Core, E.L. G
Darby, R.H. LKG
Davies, E.C.H. C
Davis, H.A. C
Dodds, G.S. FN
Drake, C.A. IKO
Dustman, R.B. COG
Eiesland, J.A. A
Erickson, H.D. CGO
Ferry, J.F. KOG
Ford, O. Rex AB
Friant, R.J. O
Fridley, H.M. E

Morgantown, Cont'd.

Gribble, L.R. F
Hall, A.A. M
Henderson, H.O. ONC
Hennen, R.V. E
Jacobson, C.A. C
Jones, Lloyd QKI
Leach, J.G. GO
Leonian, L.H. G
Lilly, V.G. CG
MacLachlan, P.L. CN
Molby, F.A. B
Moore, E.N. NOF
Orton, C.R. GOF
Paisons, D.W. KOQ
Peairs, L.M. FOG
Pohlman, G.G. GGC
Reese, A.M. F
Reger, D.H. E
Reynolds, C.N., Jr. ADB

Rietz, J.H. F
Schneider, B.H. OCN
Sheldon, J.L. G
Smith, R.B. G
Smith, Wallace AD
Strausbaugh, P.D. G
Taylor, L.H. F
Tucker, R.C. EM
Turner, B.M. A
Weimer, Miss D.E. GFE

Wellhausen, E.J. GOF
Winter, J.E. IQ

Moundsville

McCaunic, Charles KI

GEOGRAPHICAL INDEX

1101

Newell	Richwood	South Charleston,	Weston
Bleininger, A.V. ....C	Marquis, J.N. ....NQ	Cont'd.	vonDomarus, E. ...NI
Wells, A.A. ....C	St. Albans	Holden, H.C. ....C	Wheeling
Parkersburg	Beaver, D.J. ....C	Perkins, G.A. ....C	Frankston, Miss J.E., FGN
Dudley, J.W., Jr. MCA	Shepherdstown	Price, Whitfield ....C	Franzheim, C.M. PEC
Hopkins, A.D. ...EOF	Brettnall, G.H. ....FG	Spencer	Gill, Richard ....NKH
Knott, A.D. ....N	South Charleston	Johnson, G.D. ....N	Holliday, Gail H. ...FG
Lytle, W.V. ....IQ	Andes, R.V. ....CA	West Liberty	Marks, David ....NF
Spinosa, A.V. ....M	Cox, H.L. ....C	Drummond, E. .. FGC	Williamstown
Philippi	Doolittle, A.K. ....C	Kiplinger, C.C. ...CBA	Ingraham, Wm. ...QCB
Grant, Miss B.D. ADG		Webb, H.D. ....B	

WISCONSIN

Appleton	Fond Du Lac	Madison, Cont'd.	Madison, Cont'd.
Beaver, P.C. ....FNO	Hardgrove, T.A. ...Nd	Brouse, Don ....CMO	Jensen, Kai ....IQF
Farley, J.H. ....KLO	Johnson, Robert ...MP	Browne, F.L. ....CB	Johann, Miss Helen .G
Gilbert, W. Paul ....B	Saller, Sister M.W. .G	Bryan, G.S. ....G	Johnson, James...GO
Ishenberg, I.H. ....C	Fontana	Bunting, C.H. ....N	Jones, F.K. ....G
Rogers, W.E. ....GFE	Higgs, C.D. ....D	Cameron, Norman INK	Judy, Chancey ....F
Steele, Westbrook QC	Rudnick, Paul ....C	Chamberlin, T.R. ..FG	Kanlenberg, Louis ..C
Thiesmeyer, L.R. ...E	Genesee Depot	Chapman, A.B. ....O	Keitt, G.W. ....GON
Van den Akker, J.A. .B	Okuyama, Sobey ....N	Chidester, Mrs. M.S. .G	Koehler, Arthur ....G
Vanflorn, W.M. ....FN	Green Bay	Christensen, C.L. ...O	Kowalko, O.L. ....CM
West, C.J. ....C	Delwiche, E.J. ....OG	Clark, P.F. ....N	Kozelka, F.L. ....NC
Ashland	Newton, Mrs. D.E., DFN	Clark, Wm. Noble .OK	Kremers, Edward ...C
Bobb, Newton ....F	Platten, Will J. .OCM	Claus, Miss Pearl E. .F	Krieger, C.H. ....NCO
Baraboo	Senn, George ....N	Coffman, Ramon .LBD	Langer, R.E. ....AB
Cox, Miss E.H. ....QCB	Vogt, Sister C.M. EHO	Cole, L.J. ....FO	Lee, J.M. ....E
Rahn, Carl ....I	Waid, H.L. ....FEH	Cooper, D.C. ....G	Leith, C.K. ....E
Bayfield	Green Lake	Corey, S.M. ....IO	Link, K.P. ....CGO
Scheffel, E.R. ....EFG	Kutchin, Mrs. H.L., FGE	Corum, Cyril J. ....G	McCaffery, R.S. ....MC
Beaver Dam	Hancock	Daniels, Farrington C	McCarter, J.R. ....FN
Clark, W.G. ....O	Albert, A.R. ....O	Davis, E.M. ....O	McCoy, Miss E. ....O
McClintock, Miss M., FG	Hixton	Davis, F.A. ....N	MacDuffee, C.C. ....A
Stewart, Miss C.J. AD	Petzke, E.A. ....NGH	Denniston, R.H. ....G	McElvain, S.M. ....CN
Beloit	Hudson	Dickson, J.G. ....GO	McGovern, J.N. ...CMA
Boutwell, P.W. ....C	Schultz, A.R. ....EKM	Domogalla, B. ...CGF	MacLean, J.D. ...MAB
Conwell, H.H. ....ABD	Kenosha	Dudley, J.E., Jr. ....F	Manning, W.M. ...CGF
Densmore, H.D. ....G	Windesheim, G. ....N	Duggar, B.M. ....GCO	March, H.W. ....A
deWeerd, O.N. ....I	Kewaunee	Elder, J.H. ....IFN	Markwardt, L.J. MOG
Evans, Gertude ....F	Campbell, C.G. ....CM	Elvehjem, C.A. ....C	Marlatt, Abby L. ...CK
Huffer, R.C. ....DAB	Kohler	Emmons, R.C. ....E	Marshall, A.J. ....CO
Nesbitt, Paul H. ....H	Thorkelson, H.J. BCM	Evans, H.P. ....A	Marshall, W.S. ....F
Suydam, V.A. ....AB	La Crosse	Evans, R.I. ....G	Marts, R.O. ....G
Trautmann, W.J. ....C	Ilough, Kenneth BMC	Farnsworth, P.R. ...I	Mathews, J.H. ....C
Welty, Carl ....F	Moore, Myrtle H. FGH	Farrar, C.L. ....KOF	Maurer, E.R. ....M
Bonduel	Lake Geneva	Fassett, N.C. ....C	Mead, D.W. ....M
Meyer, M.M. ....CNp	Wheeler, Theo. ....IQE	Fischer, Richard ...C	Meek, W.J. ....N
Cedarburg	Madison	Fisk, Miss E.L. ....G	Meloche, W.W. ...CAB
Ott, G.L. ....FNO	Adkins, Homer ....C	Fred, E.B. ....G	Merriman, Curtis .IO
Chippewa Falls	Allen, C.E. ....G	Gee, Lynn ....OCG	Meyer, R.K. ....FNO
Beier, A.L. ....NIH	Anderson, T.F. ...CBF	Geist, F.D. ....N	Michell, W.D. ....E
Combined Locks	Baldwin, I.L. ....GON	Gerry, Eloise ....G	Middleton, W.S. ...N
Wells, S.D. ....COM	Ball, Edwin ....G	Gilbert, E.M. ....G	Miller, E.R. ....B
Cudahy	Barr, Arvil S. ....O	Gillin, J.L. ....KH	Mitchell, R.L. ...COG
Surak, John G. ...CBA	Bast, T.H. ....N	Graber, L.F. ....OG	Moore, J.G. ....OG
Eau Claire	Bean, E.F. ....E	Guyer, M.F. ....F	Mossman, H.W. ...FN
Midelfart, P.A.H. NH	Bennett, Edward MQB	Halpin, James G. ...O	Muckenhirn, R.J. OCG
Reynolds, G.S. ...NBF	Birge, Edward A. ...F	Hall, N.F. ....CB	Neal, N.P. ....OFG
Thoringate, J.H. ...BC	Bohstedt, Gustav .OF	Harlow, H.F. ....I	Nelson, D.H. ....N
Ellison Bay	Bradley, H.C. ....CN	Harris, J.W. ....N	Noland, Lowell ....F
Jensen, Jens ....GO	Breit, Gregory ....A	Hart, E.B. ....C	Owen, Ray D. ...FGO
Fish Creek	Brink, R.A. ....GO	Hastings, E.G. ...GNO	Parsons, Miss H.T. CN
Stock, Kurt ....M	Brogden, W.J. ....INK	Heffner, Roe-M.S. LIH	Peterson, W.H. ...CO
		Heizer, E.E. ....OFN	Pillow, M.Y. ....G
		Hellebrandt, F.A. .N	Pohle, E.A. ....N
		Henmon, V.A.C. HIQ	Price, W.V. ....OC
		Herrick, C.A. ....FN	Richards, Miss C.A. G
		Hirschfelder, J.O., Jr. BCA	Richtmann, W.O. ...CG
		Holford, F.E. ....N	Rieman, G.H. ....GO
		Holmes, C.E. ....FO	Riker, A.J. ....GO
		Horton, Miss E.S. GOF	Riker, Mrs. A.J. ...G
		Hovells, W.W. ....H	Roberts, R.H. ....O
		Husband, R.W. ....I	Roebuck, J.R. ....BC
		Ingersoll, L.R. ....B	Rosendahl, Russell GO
		Ingraham, M.H. ....A	Rothney, J.W.M. QIK
		Irwin, M.R. ....FG	Rumbold, Miss C. ...
		Jansky, C.M. ....M	Rusch, H.P. ....NCD
			Sammis, J.L.CO

Madison, Cont'd.

Sarles, W.B. NO
 Sawyer, C.N. CMP
 Schmidt, E.R. N
 Schubring, E.J.B. EKP
 Schubring, S.L. E
 Schuette, H.A. C
 Seastone, C.V., Jr. N
 Seevers, M.H. NpFC
 Sevringhaus, E.L. NC
 Shrigley, E.W. FNG
 Slichter, C.S. AB
 Smith, W.K. G
 Sperry, T.M. GF
 Stauffer, J.F. Jr. GCO
 Stebbins, Joel DB
 Steenbock, Harry FCO
 Stern, R.M. OC
 Sullivan, W.E. FHN
 Supernaw, J.S. ND
 Tatum, A.L. CNp
 Thwaites, F.T. E
 Truog, Emil COG
 Turneure, F.E. M
 Twenhofel, W.H. EO
 Van Vleck, E.B. A
 Wachtel, Louis CBA
 Wagner, George F
 Walker, J.C. GO
 Waters, R.M. NF
 Whitson, A.R. EO
 Wilson, H.F. F
 Winchell, A.N. E
 Witzemann, E.J. C
 Zuill, Frances NK

Marinette

Walker, W.O. C

Menomonie

Rogers, Miss M.C. CQK

Milwaukee

Agthe, F.T. M
 Anderson, Miss E.E. BCD
 Armfield, L. DBM
 Artus, Miss M. GF
 Badalik, Miss E.A. G
 Baier, J.G., Jr. FN
 Baker, F.E. N
 Ball, J.D. MBD
 Banzhaf, H.L. NdQ
 Barrett, S.A. HD
 Beckman, Harry NpFL
 Beckwith, E.R. AKD
 Bock, J.C. N
 Carey, E.J. NHQ
 Carroll, F.E. F
 Carson, W.J. N
 Caswell, Annet. CO
 Churchill, B.P. HN
 Clapp, Miss G.L. GN
 Coleman, W.W. MP
 Colingsworth, D.R. CGN

Milwaukee, Cont'd.

Costello, Sister M.S. HGF
 DeYoung, Wm. OE
 Deysach, L.J. N
 Dupont, F.M. CGB
 Edwards, Ira E
 Eisele, H.F. FG
 Erdman, L.W. OGN
 Ferris, Walter BOM
 Fitzpatrick, E.A. QKI
 Friauf, J.B. B
 Greacen, K.F. EFH
 Grill, John CFN
 Haase, H.F. MCK
 Hanawalt, E.M. IQF
 Hansmann, G.H. N
 Hayes, M.L. FGN
 Haymaker, C.R. CB
 Heun, A.L. G
 Honey, Edwin E. G
 Hunkel, V.H. OGF
 Huntzicker, V.E. E
 Jaeger, C.O. ECB
 Jefferson, R.A. NIK
 Joseph, Miss M. AOI
 Kelley, W.A. MAD
 Lees, Miss K.E. NCQ
 LeFeber, Lester N
 Lieberman, Benj. N
 Littleford, R.A. F
 Losey, J.E. KO
 McCarthy, R.C. I
 McDonough, E.S. GF
 MacKenzie, F.B. CO
 McMinn, Miss A. NQ
 Malone, J.Y. NCB
 Marden, Morris A
 Martin, M.J. B
 Matthias, L.H. DBM
 Meister, E.G. C
 Michaelis, A.F. F
 Mira, Sister M. GFL
 Neidhoefer, James F
 Nelson, E.R., Jr. EFO
 Patterson, Sister M.T. N
 Perry, Miss M.C. CN
 Peterson, L.E. MAB
 Pettit, H.P. A
 Pinney, Miss M.E. F
 Reith, A.F. N
 Rich, G.J. IN
 Richards, Miss R. GNF
 Rohde, H.W. C
 Rutschhaupt, L.F. N
 Severy, H.A. IFG
 Shakman, J.G. N
 Simon, Arthur M
 Skinner, C.H. B
 Sonnenberg, J., Jr. CNp
 Squier, T.L. NF
 Steffy, Miss J. GOF
 Steil, W.N. G
 Stoddard, C.H., Jr. OK
 Suhm, C.F. CBM
 Swindle, P.F. NF
 Teyen, G.M.W. Q

Milwaukee, Cont'd.

Thies, Miss L.C. QIK
 Throne, A.L. G
 Tufts, Millard N
 Volk, J.J. F
 Wales, H.B. FG
 Walker, Ruth G
 Weiner, Samuel CNK
 Wenstrand, D.E.W. N
 Wilde, Fred E. NpGC
 Wilkins, W.L. IQ
 Willard, Miss E.M. CN
 Wilson, G.W. Nd

Mt. Calvary

Poeppel, Raphael CFG

Oconomowoc

Peebles, Miss G.E. DFG
 Stemmmons, W.S. CN

Oshkosh

Beenen, May M. A
 Buckstaff, Ralph HFD
 Duncan, J.F. B
 Frank, J.O. C
 Hilton, George KLO

Platteville

Beadle, L.D. F
 Ullrich, Fred T. GOQ
 White, J.W. BC

Racine

Cameron, D.H. C
 McLaughlin, G.D. C

Rhineland

Almon, Lois GNF

Ripon

Conant, Geo. H. G
 Crump, C.C. D
 Dudycha, G.J. I
 Groves, J.F. GF
 Hargrave, J.R. L

River Falls

Jacobson, J.P. B
 Kettelkamp, B.H. FN
 Stratton, C.G. DE

St. Francis

Belda, W.H. F
 Steinbach, Sister M.N. QGC

Sheboygan

Peterson, G.K. CO

Stevens Point

Collins, J.V. A
 Evans, C.C. NFE

Stevens Point, Cont'd.

Moe, Carl C
 Rightsell, R.M. B
 Rogers, T.A. C

Superior

Bolender, E.L. FG
 Miller, P.T. E
 Seguin, Miss H. QGf

Thiensville

Carbys, J.O. EB

Tomah

Wood, Roger BCD

Two Rivers

Kahlenberg, H.H. CNM

Waukesha

Ray, W.L. C
 Runkel, J.E. IQ

Wausau

Abrams, Allen CM
 Hill, R.P. M

Wauwatosa

Evans, C.T. M
 Flory, A.C. MBC
 Gorica, H.J. C
 Kasak, Michael N
 Kelly, F.W. ONC
 Newhouse, Ray C. M
 Ziegler, L.H. N
 Zink, F.J. MO

West Allis

Bond, F.C. DBA
 Warner, C.W. MA
 Willett, Thomas N

West De Pere

DeCleene, L.A.V. ABD
 Keefe, A.M. GF
 Pritzl, P.P. CNO

Whitefish Bay

Miller, C.O. CN

Williams Bay

Downing, E.R. FO
 Greenstein, Jesse DB
 Morgan, W.W. D
 Struve, Otto DBA
 Titus, John BD
 VanBiesbroeck, G. D

Wisconsin Dells

Marshall, Ruth F

Wisconsin Rapids

McMillan, Miss M.B. A

WYOMING**Casper**

O'Mara, Miss N.E. FGQ

Cheyenne

Benedict, H.M. G
 Hildreth, A.C. GO
 Powers, LeRoy O

Jackson

Murie, O.J. FG

Lamont

Bellamy, B.C. ABC

Laramie

Beath, O.A. CGE
 Bruce, R.H. I
 Clarke, L. Floyd FN
 Coulter, V.C. LHE
 Dunnewald, T.J. OE
 Hammond, P.F. B
 Hill, J.A. FOQ
 Holst, E.C. N

Laramie, Cont'd.

Hurwitz, Garvin EM
 Knight, S.H. E
 McCreary, O.C. C
 Miller, P.T. C
 Nace, R.L. EF
 Nelson, Aven G
 Northen, H.T. G
 Porter, C.L. GOE
 Rechar, O.H. AQD
 Scott, J.W. F
 Solheim, W.G. F

Laramie, Cont'd.

Trueblood, R.O. MBC
 Woodrow, A.W. FGO

Riverton

Comstock, H.D. M

Rock Springs

Nightingale, W.T. EM

Yellowstone Park

Bauer, C. Max E
 Howard, C.L. BKC

AMERICAN SAMOA

Pago Pago
McMullin, D.J.C

PHILIPPINE ISLANDS

Agricultural College

Banzon, Julian .CPO
Cendana, S.M.FG
Galvez, N.L.OC
Gonzalez, B.M.O
Manresa, Miguel .OFN
Santos, F.O.NC
Uichanco, L.B.F
Villanueva, L.J. .CO
Villegas, V.E.O

Baguio

Rodolfo, Agustin FOH
Schafer, P.A.E

Cavite

Myers, R.G.CKL

Culion

Wade, H.W.N

Imus

Tirona, Mariano .CEB

Jaro

Campos, J.D.G

Jolo

Machlan, P.L. ... CEF

Manila

Abello, T.P.B
Aldecoa, E.R. ... NdI
Almajose, C.MAB
Arguelles, A.S.C
Bellis, HenryCNL
Bissinger, G.H.OE
Butler, J.H.M.Q
Carreon, M.L.QIK
Cayco, FlorentinoC
Cruz, Cornelio C. ... E
de Jesus, P.I.NC
de Leon, Antonio I. .C
de los Santos, J.V. NfC
Favila, R.A.A
Fischer, A.F.OM

Manila, Cont'd.

Frasche, D.F.E
Gan, T.M.NQ
Gochangco, E.G. ...BM
Imperial, F.F.MP
Jaramillo, T.J.A
Juliano, J.B.GOE
Kleinpel, R.M. ... EHF
Marsden, R.W. ...EM
Otanes, F.Q.FOK
Paguirigan, D.B. GKO
Panlasigui, I.IQK
Pastrana-Castrencia,
Maria D.G
Perez, A.G.M
Repetti, W.C.E
Santos, F.V.F
Santos, Jose Vera . GH
Sison, A.B.M.NL
Soliven, F.A.CO
Swinton, R.S. ...MBA
Tangco, Marcelo HNF
West, A.P.C

Manila, Cont'd.

Williamson, Earl .ME
Yutuc, Lope M.F

Negros Occidental

Gordon, Alex.MO
Panganiban, E.H. CO

Negros Oriental

Chapman, J.W. ... F

Paranaque

Brussolo, Vito A.M

Paracale

Gardner, D.L.E

San Juan

Salvosa, Luis R. ...AK

VIRGIN ISLANDS

Saint Thomas

Lilienfeld, J.E.B

AFRICA

ALGERIA

Algiers

Benoit, JacquesFG
Maire, ReneG

ANGOLA

Loanda

Roschen, E.C.H.E

ASHANTI

Accra

Rigney, H.W.EIJF

BELGIAN CONGO

District de L'Uele

Steyaert, R.L.GO

EGYPT

Alexandria

Kirmiz, J.P.NFI

Assiut

Hickman, W.W. ...CG

Cairo

Vandersall, H.W. BAD

Giza

El-Sawy, Abbas H. NO

Le Caire

Rosenfeld, A.H. FG

UGANDA

Entebbe

Hughes, T.P.NC
Jacobs, H.R.N

SOUTH AFRICA

Bloemfontein

Lutjeharms, W.J. GOC
Paraskevopoulos, J.S. D
Rossiter, R.A.D

Cayuga

Hofmeyr, S.J.G. .QOI

Johannesburg

Alden, H.L.DBA
Dart, R.A.HFN
Hay, ErrollEIK

Onderstepoort

Monnig, H.O.FNO

Postmasburg

Shone, T.L.H.EM

Nelspruit

Hofmeyr, J.D.J.O

Pretoria

Lounsbury, C.P.F
Mes, M.G.GO

ASIA AND MALAYSIA

CEYLON

Peradeniya

Hutson, J.C.F

CHINA

Canton

Groff, G.W.GOQ
Laird, C.N.C
McClure, F.A.FG

Chengtu

Agnew, R.G.Nd
Kilborn, L.G.NpF
Liljestrand, S.H. NIIL

Chengtu, Cont'd.

Lindsay, A.W. NdQH
Reeves, Miss C.D. FGI
Williams, T.H.N

Foochow

Wu, Miss Violet .BAC

Kunming

Thomson, J.C. ...CQN

Lincheng

Kwang, K.Y.M

Nanking

Lew, G.T.OFG

Peiping

Adolph, W.H.CN
Boring, A.M.F
Davis, W.W.E
Frazier, C.N.NL
Grabau, A.W.EF
Kramer, Miss M.N
Locks, H.H.N
Weidenreich, Franz H
Wilson, S.D.C
Wu, HsienCN

Shanghai

Balfour, M.C.NFM
Chan, F.Lai-ngi. .CM
Chen, C.C.FN
Dent, R.V.N

Shanghai, Cont'd.

Ely, J.A.M
Hou, H.C.N
Huizenga, Lee S.NE
Lee, J.Y.BMC
Read, B.E.CN
Yang, P.S.C

Tientsin

Serduke, J.T.BM

Wanh sien

Wang, Chung Yu MEC

Yaan

Crook, Rudolph ...NH

**FEDERATED
MALAY STATES**

Kuala Lumpur
Newton, E.B.CP

HONGKONG

Hongkong
Frank, H.S.CB
Sommers, H.F.KNd
Wong, Cheong-yin, OGC

INDIA

Ahmadabad
Asana, J.J.FKQ

Allahabad
Saha, MeghnadB
Vestal, E.F.GO

Almora
Sen, B.GNO

Baroda
Likhite, V.N.FGO

Benares
Singh, B.N.OGE

Bengal
Macfarlane, E.W.E., GH

Bombay
Desai, S.F.FGH
Desai, V.M.N
Van Allen, C.M.N

Calcutta
Agharkar, S.P. ...GOE
Mukerji, S.N.MBA
Roy, T.N.FGN

Cuttack
Parija, P.GO

Delhi
Sweet, W.C.NF

Dhamtari
King, S.M.IQ

Gwalior
Kulkarni, G.S.GO

Karachi
Buie, B.F.EQ
Whipple, G.L.EFC

Lahore
Benade, J.M.BMQ
Manry, J.C.QIK

Madras
Hartman, Miss E.G
Iyengar, M.O.P.G
Russell, P.F.NF

Mangalagiri
Mohan, A.R.MPK

Nagercoil
Keshaven, V.K.M

North Arcot
Dodd, Miss Gertrude ..

Patna
Ray, R.C.BCQ

Rangoon
Gates, G.E.F

IRAQ

Baghdad
Allouse, B.E.FBK
Merrick, J.P.A
Simonian, V.H.CGNp

JAPAN

Asiya-hama
Yamaguchi, Seitaro .B

Hyogo-ken
Wakabayashi, S. ..GO

Kawasaki
Uyei, NaoCN

Kurashiki
Itano, AraoO

Matsuyama
Hoyt, Miss O.S.Q

Osaka
Yagi, Hidetsugu ..BM

Sapporo
Itoh, HidegoroF
Watanabe, Yisamu .F

Tokyo
Kakinuma, UsakuB
Matsubara, Koichi .C
Miyake, KiichiG
Nakahara, WaroN
Nishina, Y.B
Terao, ArataF
Yatsu, NaohideF

Yokohama
Burrell, R.W.FO
Holtom, D.C. ...LHK

JAVA

Ban Doeng
Brederode, O.ID

KOREA

Seoul
Brien, D.H.MCE
Lee, D.W.AD

LEBANON

Beirut
Avery, B.F.N
Bacon, A.A.B
Bijani, G.Y.FGO
Brown, J.A.DB
Close, H.W.C
Dennis, E.W.NF
Dodd, S.C.KI
Farris, B.A.KA
Hampel, C.W.NF
Jurdak, M.H.ADB
Kerr, S.E.NC
Miller, G.H.N
Pauly, R.J.NCQ
Pinkston, J.O. ...Npf

PALESTINE

Haifa
Etke, P.W.MO

Jerusalem
Kligler, I.J.FN

Tel Aviv
Freudenthal, A. .MBK
Preisler, T.H.AK

PERSIAN GULF

Bahrain Island
Bramkamp, R.A.E

SIAM

Bangkok
Komkiss, L.M.T.O
Pendleton, R.L.OGC

**STRAITS
SETTLEMENT**

Singapore
Corner, E.J.H.G
Moreno, A., Jr. ...MBN
Tulloch, M.M.MBA

SUMATRA

Dolok Merangir
Bangham, W.N.FGO

Pajacombe
Pardee, Miss R.E. ...II

Palembang
Wiebenga, W.A. .EIK
Weisbord, N.E.E

TURKEY

Istanbul
Burns, E.I.RQ
Crawford, J.F.OG
Wright, Miss E.K. ...C

AUSTRALASIA**AUSTRALIA**

Captains Flat
Mann, V.I.MEC

Footscray
Saenger, G.W.CM

Melbourne
Burnett, J.B.E
Muhl, Anita M. ...NTH

Perth
Teakle, L.J.H.GO

Mount Isa
Blanchard, R.MEC

Beerwah
Jones, InigoD

Sydney
Parkhurst, R.W.M
Waterhouse, W.L. , GFO

GUINEA

Babo
Kinser, J.H.EB

Rabaul
Murray, G.H.FGO

Wau
Gregory, C.E.M

NEW ZEALAND

Gisborne
Weymouth, Allen .EF

**SOCIETY
ISLANDS**

Tahiti
Smith, H.W.GO

TASMANIA

Launceston
Mackay, A.D. ...CEM

CANADA

ALBERTA

Banff
Warren, Mrs. M. S. .EF

Calgary
Cabot, C. M. N
Link, T. A. E
Robertson, H. T. GO
Ward, A. S. OC

Eckville
Henly-Lewis, J. QOF

Edmonton
Campbell, J. W. ABD
Downs, A. W. NpIC
Fryer, J. R. GO
Gilchrist, H. A. NdQB
Henry, A. W. GO
Hunter, George NCK
Lang, R. J. BAD
Moss, E. H. G
Newland, H. C. Q
Rawlinson, H. E. NFH
Sackville, J. P. O
Shaner, R. F. NF
Shipley, J. W. C
Shoemaker, J. S. G

Lethbridge
Seamans, I. L. F

South Edmonton
Revell, D. G. NRQ

BRITISH COLUMBIA

Bend
Garcha, H. S. GOQ

Hope
Thacker, T. L. FH

Kamloops
Buckell, E. R. F
Mail, Mrs. C. D. EF
Mail, G. A. F
Sterrett, D. B. E

Nanaimo
Clemens, W. A. F
Hart, J. L. FEG

New Westminster
Atkinson, C. E. FG
Kask, J. L. FC
Schaefer, M. B. AFG

Saanichton
Jones, Walter GOF

Sheep Creek
Sukava, Lahja MPA

Summerland
McLarty, H. R. GO

Trail
Gilbert, Geoffrey E
Shaw, G. T. CMO

Vancouver
Allardyce, John NCG
Barss, Alden F. GO
Davis, N. F. G. E
Dolmage, Victor EKM
Dorchester, F. E. IQN

Vancouver, Cont'd.

Fraser, C. McLean F
Harris, J. Allen CP
Hutchinson, A. H. G
Kals, W. S. ABC
Kania, J. E. EMN
Klinck, L. S. QOM
MacLeod, H. J. M
Moe, G. G. G
Nowlan, F. S. A
Phillips, A. H. OGF
Seyer, William CB
Shrum, G. M. B
Stewart, R. H. EM
Taylor, Austin M
Ure, William CBD
Watney, Mrs. G. M. FN
Williams, M. Y. E
Wood, C. B. Q

Vernon

Hopping, Ralph F

Victoria

Allen, G. S. GOC
Andrews, G. S. MEO
Harper, W. E. D
King, H. B. Q
Marshall, J. T. N
Moody, Kenneth MEB
Petrie, R. M. DBA
Plaskett, J. S. D

MANITOBA

Brandon

Bird, Ralph D. FGE
Burneski, A. D. ABM
Neelin, T. A. QI
Peirce, Sidney J. S. N

Morden

Leslie, W. R. O

Winnipeg

Buller, A. H. R. G
Claigie, J. I. L. GO
Dudley, M. G. GFN
Goulden, C. H. GO
Hood, Miss G. G. Q
Ketcheson, E. T. O
Langstroth, G. O. B
Lowe, C. W. GOF
Meredith, William OC
Nenby, K. W. OG
Olson, P. J. OG
Savage, Alfred FNO
Thompson, I. M. NFH
Warren, L. A. H. AKD
Weber, Erich MPC
Wheeler, Digby N
Wilson, N. R. AB
Wright, J. F. E

NEW BRUNSWICK

Chatham

Murdock, Louis FBE

Edmonton

Birchard, Walter C

Fredericton

MacLeod, D. J. G
West, A. S., Jr. FG

Sackville

Krug, Charles HIK

Saint Andrews

Hachey, H. B. B
Leim, A. H. F
Smith, M. W. FG

Saint John

Petrie, E. A. N

NOVA SCOTIA

Annapolis Royal

Fickes, E. S. M
Gilliatt, F. C. FO

Antigonish

Nicholson, P. J. B

Digby

Ganong, W. K.

Halifax

Bagnall, J. S. NdQ
Bean, Mrs. R. J. F
Bronson, H. L. B
Johnstone, J. H. L. B
King, H. S. J
Mainland, D. NFH
Young, E. G. CN

Kentville

Harrison, K. A. GO
Hockey, J. F. GOF

New Glasgow

Cantley, Thomas MLP

Truro

Harlow, L. C. CO
Neary, M. E. FGO

Wolfville

Bancroft, M. F. E
Grant, Miss M. E. QI
Perry, H. G. FG
Roscoe, M. V. G

ONTARIO

Arnprior

Macnamara, C. FG

Belleville

Graham, A. R. FG
Wilkes, Alfred FOA

Brantford

Hutton, William FNH

Burlington

Redman, L. V. C

Chippewa

O'Leary, W. J. CEB

Cobourg

Fitzhugh, Mrs. H. HFI

Collingwood

Runnalls, N. D. EBQ

Copper Cliff

Rose, E. H. CMN
Young, R. S. CGM

Cornwall

Coke, C. Eugene C

Fort William

Dewar, R. Keir NBG

Gananoque

Gilbert, William M

Guelph

Baker, A. W. F
Fulmer, H. L. CNO
Reaman, G. E. IQ
Shutt, D. B. NO

Hamilton

Bauer, Miss B. T.
Bauer, J. A. NEH
Bowers, Miss N. K. I
Cummings, L. D. A
Dawes, H. F. B
Hilton, H. G. M
McNairn, W. H. E
Warren, A. E. NF

Harrow

vanSteenburgh, W. E. F

Hawkesbury

Hampton, H. C. CGB

Ilderton

Zavitz, C. A. OGI

Kingston

Arkley, L. M. MAB
Boyd, E. M. Np
Earl, R. O. G
Ettinger, G. H. N
Kropp, Benj. FN
Katz, Leon B
Miller, Norman A
Paul, Eric B. BA
Sinclair, R. G. N
Smith, R. W. FH
Stanley, John FA
Wyllie, John N

Lakefield

Douglas, G. M. EM

Lochailsh

Frohberg, M. H. EH

London

Allen, Ray BAC
Battle, Helen FGH
Brown, W. J. KEO
Dearness, John GQL
Detwiler, J. D. F
Foster, Miss A. W. B
Hart, N. C. GOC
Hitchcock, H. B. F
Macklin, C. C. NFH
Macklin, M. T. NF
Robertson, A. D. FGE
Roome, N. W. Np
Walker, A. R. G

Manitowlin Island

O'Flaherty, J. E. LH

Napanee

Metzler, John BM

Ottawa

Anderson, R. M. F
Archibald, E. S. OGM
Atwell, E. A. GO
Ault, O. E. O
Barton, Horace O
Boyle, R. W. BMP
Brady, G. V. AK

Ottawa, Cont'd.

Brown, W.J. FG
Burnette, N.L. KI
Camsell, Charles E
Coats, R.H. K
Crawford, H.G.M. FG
Davis, M.B. O
Deakin, Alan FO
DeLury, R.E. D
Fritz, C.W. G
Gibson, Arthur O
Groh, Herbert GO
Gussow, H.T. G
Hammond, G.H. O
Hardy, F.A. O
Harris, N. MacL. N
Heagerty, J.J. N
Henderson, J.P. BDM
Hodgson, E.A. BEM
Hooper, George N
Jenness, Diamond H
Johnson, L.P.V. GOD
Kindle, E.M. EF
Lathe, F.E. CMO
Linklater, T. MAB
Lochhead, A.G. OG
Low, A.P. E
McDiarmid, R.J. BD
McDougall, A.H. AQ
McLaine, L.S. F
Nesbitt, Herbert FNH
Newman, L.H. OG
Newton, R. OCG
Nichols, David E
Plunkett, J.E. N
Rankin, A.C. N
Robinson, C.H. CO
Senn, H.A. GOF
Smith, C.C. DAM
Stewart, R.M. DAB
Swaine, J.M. O
Tory, H.M. BOA
Trueman, H.L. OKI
Whalley, Miss M.E. C
Wilson, M.E. E

Peterborough

Waite, C.B. NCH

Port Arthur

Johnson, Mrs. M.W. IO
Watt, H.J. NOH

Port Hope

Friend, F.B. B

Richmond Hill

Chant, C.A. DBA
Hogg, H.S. D

St. Catharines

Cornwall, W.D. NHD
Hildebrand, A.A. G

Simcoe

Jackson, A.B. NIG

Sioux Lookout

Connell, A.B. GE

Timmins

Jenney, C.P. E
Williams, M.E. M

Toronto

Aikins, H.A. IQH
Amoss, H.E. O
Anderson, H.B. GN
Atkinson, W.F.V. MEI
Bailey, D.L. GO
Baillie, W.H.T. FNH
Benson, C.C. CN
Bernhardt, K.S. IQ
Boswell, M.C. C
Brodie, Miss J. CNO

Toronto, Cont'd.

Buchanan, R.R. I
Burwash, E.M. EH
Chidester, F.E. F
Collins, J.R. DBK
Corman, H.E. COM
Coventry, A.F. FG
Craigie, E.H. FHN
Crawford, M.F. B
DeLury, D.B. AK
Dymond, J.R. F
Ebbutt, Frank EMH
Farrar, C.B. IN
Ferrier, W.F. EM
Fisher, K.C. FN
FitzGerald, J.G. N
Ford, N.H.C. F
Gilchrist, Lachlan B
Graham, Duncan N
Gysler, P. N
Hamly, D.H. GBC
Harkness, W.J.K. F
Holcomb, Robert CO
Holman, W.L. N
Howe, C.D. G
Huntsman, A.G. FGN
Ide, F.P. F
Jackson, H.S. G
Johnston, R.A.A. E
Langford, G.B. EMO
Lindsell, Thayer M
Linell, E.A. N
Ling, G.H. AD
Logier, Shelley F
Long, J.A. IO
Lundberg, Hans EB
MacArthur, J.W. FGN
McGhie, B.T. NI
MacLulich, D.A. FN
Miller, W.L. C
Moore, E.S. E
Pardoe, Avern BCD
Robinson, Wm. NBD
Rogers, J.C. EMG
Sandiford, Peter IQ
Sifton, H.B. G
Simpson, Jean C
Smith, George FGN
Starkman, M.A. CNpG
Thomson, R.B. GO
Tisdall, F.F. NC
Troyer, F.L. DOB
Tyrrell, J.B. EM
Walker, E.M. F
Wanless, John FGH
Waring, T.D. ABM
Wasteneys, H. C
Watson, W.V. NCB
Watt, J.C. NF
Wilkes, Alfred FOA
Willard, Miss A.C. NC
Woodward, H.E. CN
Wright, G.F. CBN
Wright, J.G. G

**PRINCE
EDWARD
ISLAND****Ellerslie**

Medcof, J.C. FGE
Needler, A.W.H. FGO

QUEBEC**Arvida**

Fraser, William BAM

Asbestos

Taber, E.R. M

Charlesbourg

Bernard, Richard CF

Grand River

LaBrie, J.A. CMP

Hull

Konst, Hermann NO

Kamouaskas

Proulx, Maurice O

Knowlton

Wilson, Ellwood OMI

Kyquod

Neave, S.L. C

La Trappe

Lalonde, L.M. GFO

Lennoxville

Kuehner, A.L. C

Mille Isles

Willey, Arthur F

Montreal

Adams, F.D. E
Alexander, Bro. Major, GFN

Ballon, H.C. N
Barnes, H.T. B
Berrill, N.J. F
Bois, J.S.A. I
Bolduc, Antonio CN
Bourne, Wesley N
Brace, J.H. M
Bridges, J.W. IO
Brown, J.S.L. N
Claik, T.H. E
Collip, J.B. N
Cook, Stanley NC
Cushing, H.B. NGQ
Daniels, E.A. N
Dubeau, Eudore Ndo
Elvidge, A.R. NIF
Erickson, T.C. N
Frapier, Armand N
Fraser, J.R. N
Froman, D.K. B
Gendreau, J.E. B
Gibbs, R.D. GC
Gill, J.E. EMQ
Gruener, O.C. N
Harder, E.C. E
Hibbert, Harold C
Jasper, H.H. NFI
Jenkins, F.T. EMF
Job, Robert CEK
Kellogg, C.E. IO
Kershman, John NKI
Keys, D.A. B
Koroileff, A.M. GMO
Lefevre, H.E. POE
Littler, H.G. CKB
Lomer, G.R. L
Lundon, A.E. EON
McCarthy, J.L. CBM
MacLean, A.R.M. CN
Marie-Victorin G
Martin, C.P. FHN
Monro, H.A.U. FO
Murray, E.G.D. N
Nichols, W.A. MAB
Peirce, C.B. N
Penfield, Wilder N
Piedalue, E.C.J. O
Pirie, A.H. NBD
Prefontaine, G.H. F
Raginsky, Bernard NI
Ross, S.H. E
Scharf, G.W. G
Selye, Hans NCF
Shaw, A.N. BAD

Montreal, Cont'd.

Stehle, R.L. CNP
Tait, W.D. I
Taylor, B.W. F
Teuscher, Heinrich G
Walsh, A.L. Nd
Waugh, T.R. N
Webster, E.C. I
White, W.E. MBA
Yorston, Fred E

Quebec

Bedard, Avila OG
Cameron, T.W.M. FNO
Coulson, J.G. GO
DeLong, W.A. OC
Dul'orte, E.M. FNO
Gagnon, P.E. C
Jones, J.W. E
Lattimer, J.E. K
L'Ecuyer, Philibert C
Raymond, L.C. O
Snell, J.F. CO
Summerby, R. OG
Tremblay, A. ADB
Tremblay, J.L. F
Vachon, Alex. C

Ste. Anne de Bellevue

Darling, F.S. C
Keith, Fraser PKM

**Ste-Anne-de-la-
Pocatiere**

Pelletier, J.R. O

St. Hubert

Neamtan, S.M. BA

Sherbrooke

Haight, II, V. M

Ville La Salle

Hess, D.W. C

Westmount

Frosst, J.B. NOI
Levitt, J. G

SASKATCHEWAN**Muenster**

Kuehne, Paul GFA

Regina

Riddell, W.A. CN
Rouatt, G.E. OI
Vigor, S.I. O

Saskatoon

Arnason, T.J. GFH
Baltzan, D.M. NK
Biro, Charles NCD
Champlin, M.J. O
Currie, B.W. B
Graham, V.E. NCO
Harrington, E.L. B
Horner, W.H. GO
Kirk, L.E. O
Laycock, Sam R. OI
Myers, F.R. NKI
Patterson, C.F. GO
Pyke, A.J. AQ
Simmonds, P.M. G
Thompson, W.P. C
Thorvaldson, T. G
Vanterpool, T.C. GO
Wait, Elmer NCI
Worcester, W.G. EMP

YUKON**Whitehorse**

Moore, H.E. FGD

CENTRAL AMERICA, SOUTH AMERICA AND ATLANTIC OCEAN ISLANDS

ARGENTINA

Buenos Aires

Barral-Souto, Jose KA
Greslebin, Hector HQL
Novelli, Aimando . . C
Parodi, L. R. . . . GO
Severson, G. A. . . EMI
Smolensky, Pietro KA
Tantui, C. A. . . . N

Cordoba

Pettine, C. D. . . . AD
Zimmer, M. L. . . . DE

La Plata

Aguilar, Felix . . . DE
Dawson, B. H. . . . DA

AZORES ISLANDS

Angra do Heroismo

Agostinho, J. . . . EBF

BERMUDA

Somerset

King, C. D. IBK

BOLIVIA

Oruro

Ferreira, C. O. . . . EAK

Potosi

Erickson, R. I. . . . EMB

BRAZIL

Campinas

Mendes, A. J. T. . . GOF

Porto Alegre

Filho, Pereira N

Rio de Janeiro

Billings, A. W. K. MBC
Braga, M. A. . . CMNP
Caussey, O. K. . . . FN
Fox, J. J. NKC
Kerr, J. A. NF
Lima, Costa FN
Shannon, R. C. . . . F
Villola, G. G. NC

Sao Paulo

Bitancourt, A. . . . GO
Townsend, C. H. T.,
FHG
Valle, J. R. N

Vicosa

Drummond, O. A. . . GO
Rofis, P. H. GO

BRITISH GUIANA

Georgetown

Bevier, George N

CANAL ZONE

Ancon

Clark, H. C. N
Harden, R. D. N
Komp, W. H. W. . . FN
Tripp, W. A. DAF

Balboa

Mundt, H. W.
Zetek, James FGE

Gatun

Eberman, J. W. . . . MA

Quarry Heights

Cox, W. C. N

CHILE

Angol

Bullock, D. S. . . . OFH

Calama

Freeman, H. B. . . . B

Santiago

Calvo, J. L. C. . . . MK
Koeberlin, F. R. . . EM
Munoz, Carlos . . . GOF

COLOMBIA

Bogota

Chappell, W. M. . . . E
Cortes, J. M. . . . ABM
Guerrero, A. L. . . EMC
Hoyl, G. R. EH
Oppenheim, V. E. . . EM

Honda

Crease, H. H. . . . MED

Medellin

Nicholls, F. B. . . . ILC

Santander

Judson, Jack E

COSTA RICA

San Jose

Brenes-Mesen, R. . . L
Keith, R. W. M
Llovera, M. D. G. CKM

CUBA

Central Delicias

Wood, R. B. OGC

Cristo

Fetscher, Charles CAB
Jewett, H. F. M

Central Baragua

Scaramuzza, L. C. FGO

Habana

Acuna, J. B. GO
Buch, M. A. S. . . . NPC
Carr, H. P. N

Habana, Cont'd.

DeZoldo, Carlos, Jr. DAB
Fernandez, A. . . . NDCB
Goorley, J. T. NC
Mira, Richard . . . MBA
Palmer, R. H. E
Porta, C. B. CNG
Rivero, L. H. FHE

Manzanillo

Buchanan, G. R. U. . . M

DOMINICAN REPUBLIC

Ciudad Trujillo

Frier, J. O. K

ECUADOR

Guayaquil

Waring, W. W. . . . EBC

Milagro

Rorer, J. B. GO

FALKLAND ISLANDS

Stanley

Gibbs, J. G. G

GUATEMALA

Chimaltenango

Johnston, J. R. G

HAITI

Port au Prince

Dorsainvil, J. C. . . KLO
Lherisson, C. FNQ

HONDURAS

La Lima

Popenco, Wilson GOH

San Juancito

Robinson, H. CMB

JAMAICA

Kingston

Evans, K. L. NC
Helwig, G. V. BQM

MEXICO

Avalos

Wedde, F. A. MCD

Cananea

Wakefield, J. T. . . ABC

Chihuahua

Garza-Aldape, J. M. MEP

Colima

Boschke, Guy M

Comales

King, Max W. . . . MEK

Guanajuato

Wandke, Alfred . . . EM

Juarez

Escobar, Romulo . . . O

Mazatlan

Peale, Rodgers E

Mexico

Baker, E. W. F
Beltran, Enrique . . . FG
Camp, Geo D. MEB
Dampf, Alfons . . . FGN
deLander, C. F. . . . BC
delPozo, E. C. N
Gamio, Manuel H
Garcia, J. T. BCM
Hope, Pablo H. . . . CON
Izquierdo, J. J. . . . FNG
Morgenstern, E. M. . . N
Nyberg, H. E. M
Payne, G. C. N
Polak, Jose CNL
Pruneda, Alfonso . . . NOK
Roos, Willem MBC
Saunders, T. S. F
Stone, W. E. F
Vargas, Luis NF

Pachuca

Douglas, C. B. E. . . EBC

Santa Engracia

Shaw, J. G. FGO

Tacubaya

Lassman, G. W. F

Tepec

Saucedo y Andrade, R. N

Torreón

Ohlendorf, Walter . . . F

PANAMA

Panama City

Amado, J. J., Jr. . . . MAB
Malowan, S. CNB
Oldach, W. H. ABN
Patterson, G., Jr. . . . CQK

Puerto Armuelles

Burton, R. C. ME

PARAGUAY

Asuncion

Durham, H. W. M

PERU

Arequipa

deRomana, E. P. . . . MEK

Casapolca

Ridge, John E

Cerro de Pasco
Jenks, W.F.E
Rust, G.W.EM

Chimbote
Erquiaga, Ruben MAB

Cuzco
Mendoza, O.B.C
Vargas C., Cesar ...GF

Lima
Cano, J.E.O.KH
Hertig, MarshallF
Iddings, ArthurE
Monge M., Carlos HNI
Salazar S., Ricardo NdQ

Tello, J.C.NH
Vogt, WilliamF

Morococha
Espenshade, G.EH

Negritos
Frizzell, Don L.F

Oroya
McDonald, Robert MA
Schmedeman, O.C. ..E
Wells, RobertCHE

Trujillo
Cheavens, J.H.MCE
Graham, E.E.M

SALVADOR

San Salvador
Cornejo, Alirio ..MAB

Santa Ana
Prieto, A.G. MBE

VENEZUELA

Caracas
Agueirereve, S.E.ECM
Andrews, Philip EMC
Anduze, PaulN
Bonazzi, Augusto GCO
Brossard, E.E.EM
Gomez, E.N.C
Johnson, G.D.E
Langham, D.G.G
Mencher, ElyEH
Muller, A.S.GCO
Pacanins, A.ABC
Rossi, A.L.B.N

Caracas, Cont'd.
Scott, J.A.FN
Tejera, GustavoOC
Texera, D.A.GOL
Tong, J.A.E
Tovar, F.M.D.O
Valencia, H.PCM

El Valle
Ballou, C.H.FGO

Maracaibo
Douglas, J.G.EFH
Johnson, F.W.F
Manger, G.E.E
Reynolds, R.W.MBT
Walker, J.W.BDM
Walls, S.K.MKA

Puerto Cabello
deChelminski, V.ME

EUROPE

BELGIUM

Gand
Bessemans, J.F.A.A. N

Mons
Duwez, Pol E.B

BULGARIA

Sofia
Peneva, PetranaN

CZECHO-SLOVAKIA

Brno
Krizenecky, J. ...FNO
Smolik, L.C.O
Ulehla, Vladimir ..G

Praha
Prat, Silvestr.G

DENMARK

Copenhagen
Hansen, ArneCG
Jacobsen, K.A.

Frederiksvaerk
Nielsen, E.T.FB

ENGLAND

Altrincham
Peck, J.S.D

Cambridge
MacCurdy, J.T.N

Exmouth
Henstock, Herbert .CF

London
Bennett, J.G.ABC
Castellani, AldoNC
Crowther, J.G.KLE
Dalal, R.D.GH
Gates, R.R.GH

London, Cont'd
Hill, A.V.F
Scott, W.C.M.NI
Webb, W.R.C

Manchester
Fleming, A.P.M. BMQ
Newcastle-upon-Tyne
Page, B.S.LIE

Oxford
Davy, J.BurtGO
Kelley, G.L.C
Simon, FranzBC

Penrith
Docker, Mrs.M.E.B. FN

Plymouth
Myers, EarlF

Reading
Kay, H.D.ONC

Taunton
Moore, B.OGF

Tunbridge Wells
Cameron-Wright, H. BN

FRANCE

Bidart
Carolan, E.A.M

Bordeaux
Dufrenoy, JeanG
Servantie, LouisN

Clairefontaine
duNouy, P.L.BCN

Le Vesinet
Pieron, HenriIFH

Marseille
Hurley, J.P.AMB

Menton
Allis, E.P.NF

Nice
Wasicky, Rich.CN

Paris
May, R.M.FLN
Plotz, HarryNF
Tisdale, W.E.BDA
Weill, R.F.F

GERMANY

Berlin
Kolzow, Hans
Thurnwald, R.C. .HIK

Dahlem-Berlin
Meissner, Alex. ...BM

Ludwigshafen
Wietzel, Gustav .BCM

Post Ponitz
(Ost-Holstein)
Schoer, C.B.J.IHQ

Steinau
Koenigsberger, J.G. BE

HOLLAND

Amsterdam
Stomps, Theo.J.G

Eindhoven
deGroot, W.ABC

Groningen
Jaeger, F.M.C

Heerlen
van der Gracht, W.A.J.
M.van W. BDE

Hilversum
Rens, H.AH

Leiden
Boschma, H.F

Lisse
vanSlogteren, E.G

Nijmegen
Mulder, A.J.M. ..BCQ

The Hague
Junk, W.

HUNGARY

Budapest
Dreguss, M.NC
Fellner, Wm.K
Misangyi, Wm. .MKQ

Szeged
Szent-Gyorgyi, A. .CN

IRELAND

Armagh
Lindsay, EricD

ITALY

Milan
Ariano, RaffaeleM
Bravi, EugenioCKM
Buzzati-Traverso, A. .FG

Naples
Crudeli, Umberto ABI

Rome
Modigliani, Piero PRK
Tisserant, E.C.LCB

Venice
Marcello, Alessandro G

JUGOSLAVIA

Zagreb
Miholic, S.S.CF
Miloslavich, E.L.H
Uvanovic, Daniel ...D

LITHUANIA

Kaunas
Sivickis, P.B.FCN
Slavenas, Paul ..DAB

LUXEMBOURG

Luxembourg
Medinger, Pierre

NORWAY

Bergen
Bukhaug, K.E.N
Karlsen, Miss A. ...GO
Hjellum
Wexelsen, Haakon GO
Oslo
Mohr, O.L.FN

POLAND

Krakow
Drath, AdamEMB
Snieszko, Stanislaw .O
Osada Palacowa
Szendei, Adolf ...OGC
Poznan
Suszko, JerzyCBA
Pulawy
Minkiewicz, S.F
Warsaw
Kopiec, StefanFNQ

PORTUGAL

Alcobaca
Natividade, J.V. ...GO

ROUMANIA

Teleajen
Small, W.M.EO

SCOTLAND

Aberdeen
Cruickshank, E.W.H. N

Ayr
Wright, Norman OCN

Edinburgh
Kendall, James ..CB
Muller, H.J.FNG
Smith, A.D.B. ...OFG
Thomson, Godfrey .IA

Glasgow
Dunn, J.S.N

SPAIN

Granada
Neumann, M.M.S.-N, EKB

Madrid
Fath, A.E.E

SWEDEN

Gyttorp
Ohman, Valter ...BCH

Stockholm

Arrhenius, Olof ..GOC
Oseen, C.W.B
Siegbahn, K.M.G. ...B

Upsala

Johansson, IvarFO
Mattson, Sante ..CO
Svedberg, TheC

Wiad

Bonnier, Gert ..FGO

SWITZERLAND

Basle
Guggenheim, M.
Rudin, Eduard ..FGE

Geneva

Hiller, FriedrichN
Sweetser, Arthur ...
Weigle, J.J.B

Lausanne

DeGeofroy, George .C

Montreux

Donner, W.H.BCN
Willis, J.C.G

Nyon

Klebs, A.C.NL

Vevey

Flint, J.M.N

Zurich

Grumbach, Arthur ..N
Ruzicka, L.CNB

**UNION OF
SOCIALISTIC
SOVIET
REPUBLICS****Kiev**

Cholodny, N.GO

Leningrad

Joffe, A.F.B
Vavilov, N.I.GF

Moscow

Issatchenko, B.GO
Kostoff, Dontcho ..GF
Priianishnikov, D.H. GO
Vernadsky, W.Y. CED

Saratov

Tulaikov, N.M.OO

WALES**Aberystwyth**

Whyte, R.O.OGE

Penarth

Rees, JohnD

W
2640.